



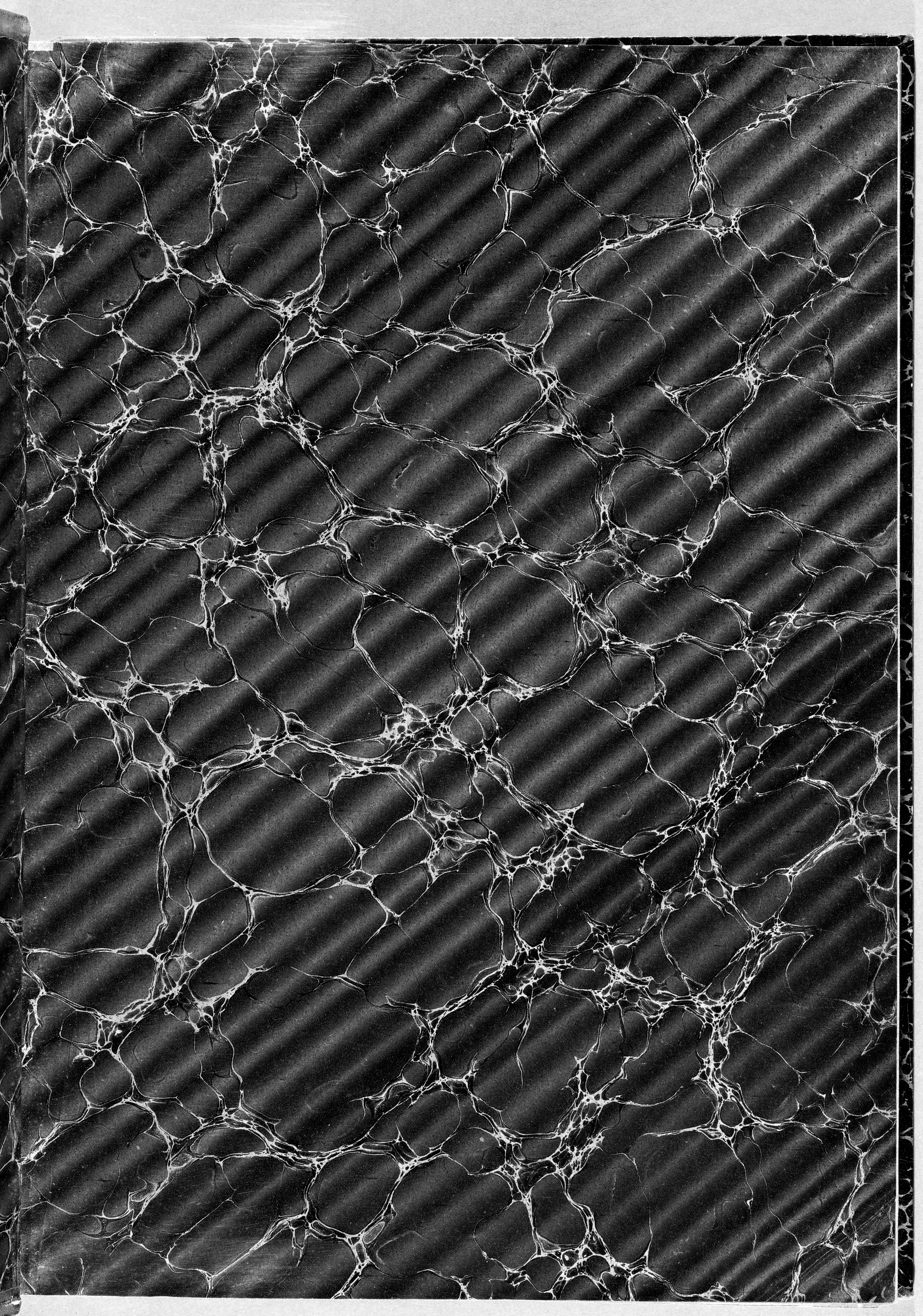
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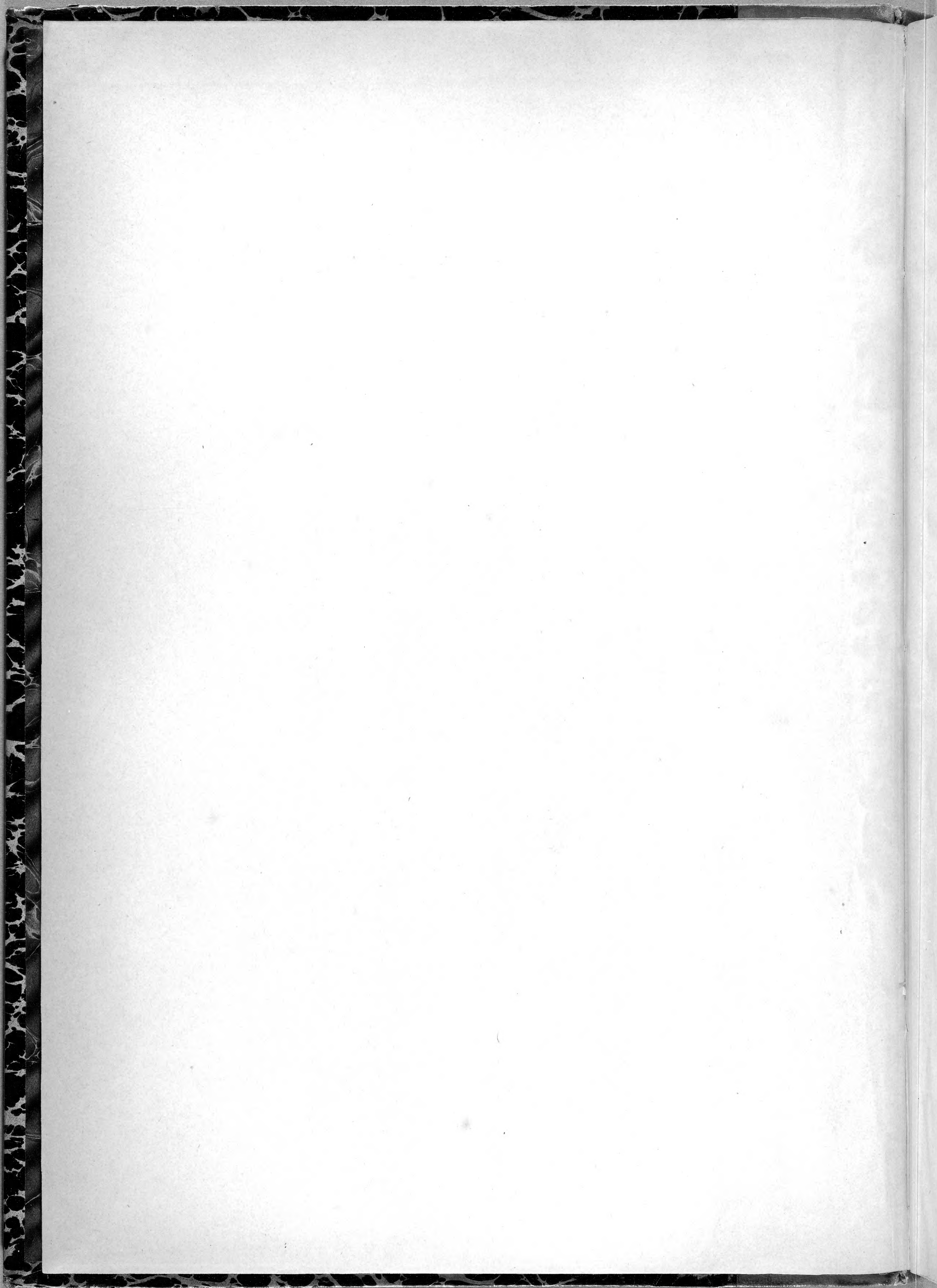
THE GIFT OF  
FRANCIS SKINNER  
OF DEDHAM  
IN MEMORY OF  
FRANCIS SKINNER  
(H. C. 1862)

*Received June 1910.*

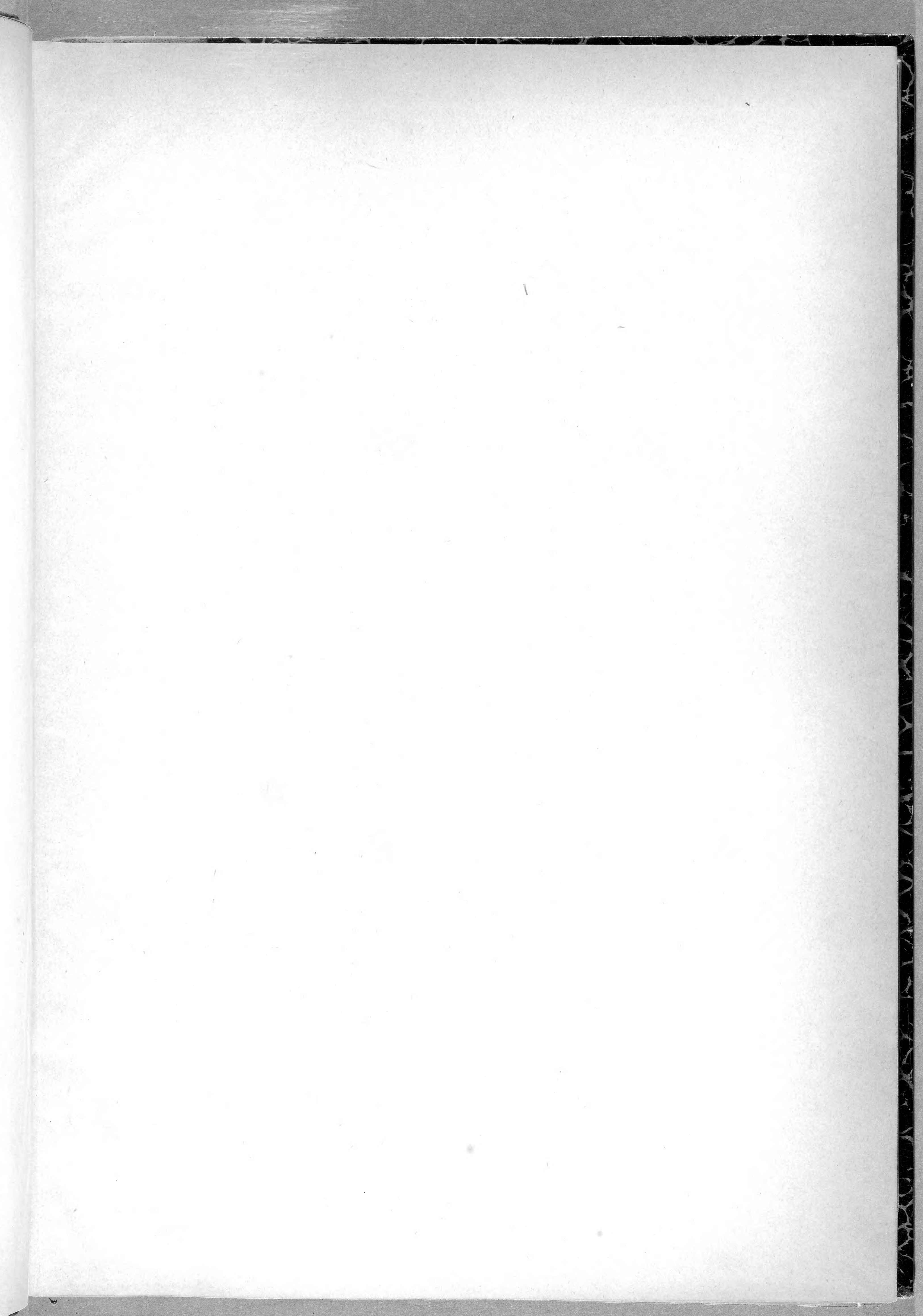




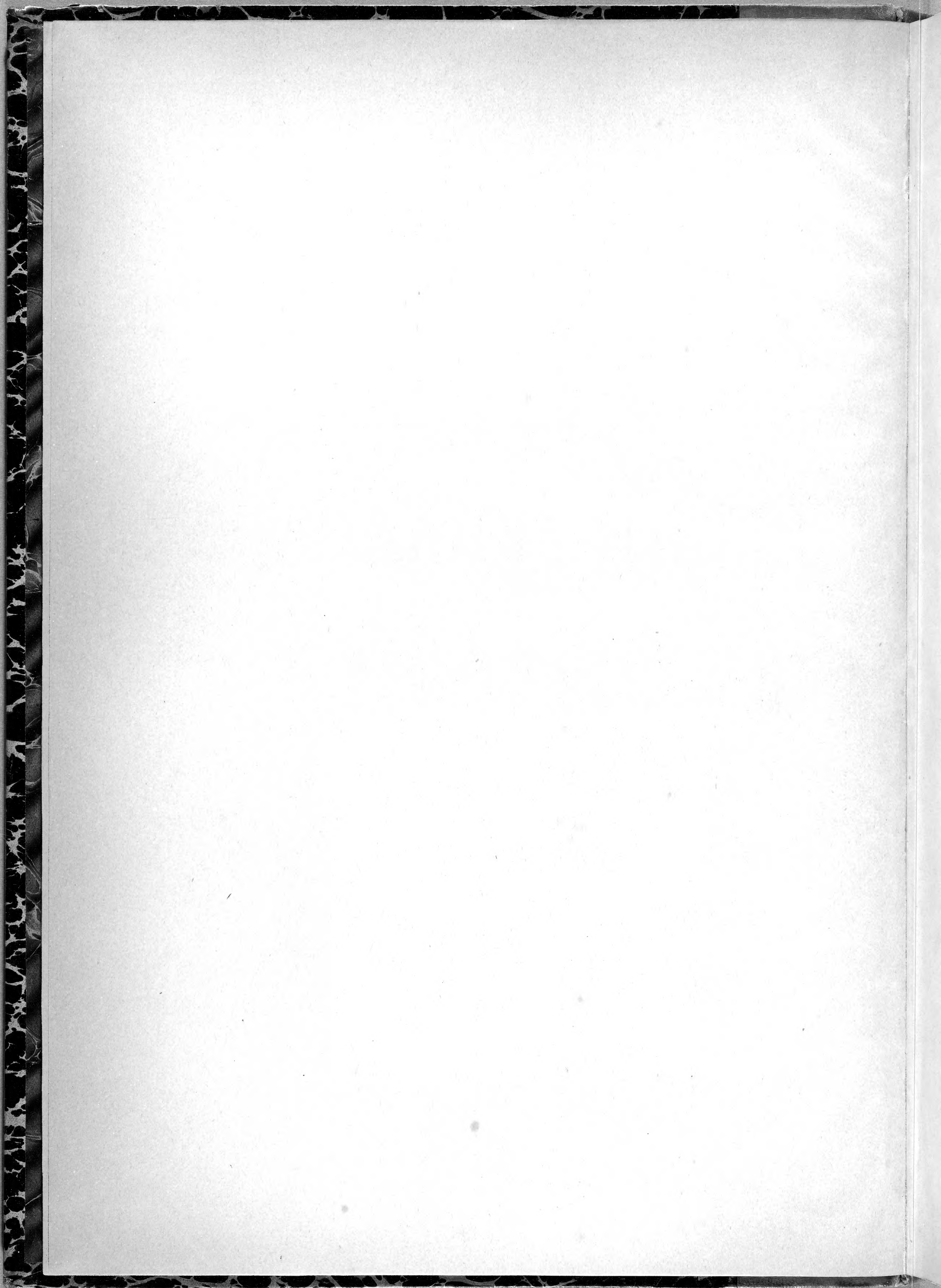














PROCÉDÉ DE REPRODUCTION DIT PHYTOXYGRAPHIQUE.

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HERBIER  
DE LA  
FLORE FRANÇAISE

PAR  
M. L. CUSIN

AIDE-NATURALISTE AU JARDIN BOTANIQUE DE LYON.

Publié sous le patronage du Service du Parc et des Jardins de la ville de Lyon.

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LYON

1874



HARVARD UNIVERSITY  
ARNOLD ARBORETUM



## 2<sup>e</sup> DIVISION. — CYNAROCÉPHALES.

Fleurs toutes tubuleuses ; celles du centre hermaphrodites, régulières ; celles de la circonférence, tantôt hermaphrodites et semblables, tantôt stériles et plus grandes. Style articulé et renflé en nœud vers le sommet.



### 55<sup>e</sup> GENRE. — *Echinops*. L.

*E. sphærocephalus* L..... pl. 229. | *E. Ritro* L..... pl. 230.

### 56<sup>e</sup> GENRE. — *Galactites*. Mœnch.

*G. tomentosa* Mœnch..... pl. 231.

### 57<sup>e</sup> GENRE. — *Tyrimnus*. Cass.

*T. leucographus* Cass..... pl. 232.

### 58<sup>e</sup> GENRE. — *Silybum*. Vaill.

*S. Marianum* Gærtn..... pl. 233.

### 59<sup>e</sup> GENRE. — *Onopordon*. Vaill.

*O. Acanthium* L..... pl. 234.  
*O. tauricum* Willd..... 235.

*O. illyricum* L..... pl. 236.  
*O. arabicum* L..... 237.

*O. acaule* L..... pl. 238.

### 60<sup>e</sup> GENRE. — *Cynara*. Vaill.

*C. Cardunculus* L..... pl. 239.

### 61<sup>e</sup> GENRE. — *Notobasis*. Cass.

*N. syriaca* Cass..... pl. 240.

### 62<sup>e</sup> GENRE. — *Picnomon*. Lob.

*P. Acarna* Cass..... pl. 241.

### 63<sup>e</sup> GENRE. — *Cirsium*. Tourn.

*C. italicum* D. C..... pl. 242.  
*C. lanceolatum* Scop..... 243-244.  
*C. echinatum* D. C..... 246.  
*C. ferox* D. C..... 247.  
*C. eriophorum* Scop..... 249.  
*C. palustre* Scop..... 251-252.  
*C. monspessulanum* All.. 254-255.  
*C. oleraceum* Scop..... 260-261.  
*C. rivulari-olerac*..... 262.

*C. oleraceo-rivul*..... pl. 263.  
*C. oleraceo-Erisith*..... 264.  
*C. Erisithales* Scop..... 265.  
*C. bulboso-oler*..... 266.  
*C. bulbosum* D. C..... 267.  
*C. anglicum* Lob..... 268.  
*C. rivulare* Link..... 269-270.  
*C. spinosissimum* Scop..... 271.  
*C. glabrum* D. C..... 272.

*C. spinosissimo-heteroph* 274  
*C. heterophyllum* All..... 276-277.  
*C. acaule* All..... 279.  
*C. bulboso-acaul*..... 280.  
*C. oleraceo-acaul*..... 281.  
*C. arvense* Scop..... 283.  
*C. setosum* Bieb..... 284.



64° GENRE. — *Carduus*. *Gærtn.*

*C. tenuiflorus* Curt..... pl. 285.  
*C. pycnocephalus* L..... 286.  
*C. acicularis* Bert..... 287.  
*C. cephalanthus* Viv..... 289.  
*C. fasciculiflorus* Viv..... 290.  
*C. Personata* Jacq..... 291.  
*C. crispus* L..... 292-293.

*C. crispo-nutans* Jord..... 294.  
*C. acanthoides* L..... 295.  
*C. nutans* L..... 296.  
*C. nigescens* Vill..... 297.  
*C. vivariensis* Jord..... 298.  
*C. hamulosus* Ehrh..... 299.  
*C. sanctæ-Balmæ* Lois..... 300.

*C. aurosicus* Vill..... 301.  
*C. carlinæfolius* Lamk..... 302.  
*C. defloratus* L..... 303.  
*C. medius* Gou..... 304.  
*C. carlinoides* Gou..... 305.

65° GENRE. — *Carduncellus*. *Adans.*

*C. mitissimus* D. C..... pl. 306. | *C. monspeliensium* All.... pl. 307.

66° GENRE. — *Rhaponticum*. *D. C.*

*R. cynaroides* Less..... pl. 308. — *R. heleniifolium* G. G..... pl. 309. | *R. scarosum* Lamk..... pl. 310.

67° GENRE. — *Centaurea*. *L.*

*C. splendens* Bieb..... pl. 311.  
*C. amara* L..... 312.  
*C. serotina* Bor..... 313.  
*C. Jacea* L..... 314.  
*C. tubulosa* Chab..... 315.  
*C. microptilon* G. G..... 316.  
*C. pratensis* Thuill..... 317.  
*C. nemoralis* Jord..... 318.  
*C. nigra* L..... 319.  
*C. decipiens* Thuill..... 320.  
*C. mutabilis* St-A..... 321.  
*C. procumbens* Balb..... 322.  
*C. Jordiniana* G. G..... 323.  
*C. pectinata* L..... 324.  
*C. uniflora* L..... 325.  
*C. nervosa* Willd..... 326.  
*C. Ferdinandi* Gr..... 327.

*C. pullata* L..... 328.  
*C. montana* L..... 329-330.  
*C. lugdunensis* Jord..... 331.  
*C. semidecurrens* Jord..... 332.  
*C. axillaris* Willd..... 333.  
*C. seuseana* Chaix..... 334.  
*C. Cyanus* L..... 335.  
*C. cinerea* Lamk..... 336.  
*C. scabiosa* L..... 337.  
*C. calcarea* Jord..... 338.  
*C. Kotschyana* Hoffm..... 339.  
*C. sempervirens* L..... 340.  
*C. intybacea* Lamk..... 341.  
*C. corymbosa* Pourr..... 342.  
*C. maculosa* Lamk..... 343.  
*C. cærulescens* Willd..... 344.  
*C. Hanrii* Jord..... 345.

*C. leucophæa* Jord..... 346.  
*C. paniculata* L..... 347.  
*C. rigidula* Jord..... 348.  
*C. polycephala* Jord..... 349.  
*C. diffusa* Lamk..... 350.  
*C. collina* L..... 351.  
*C. napifolia* L..... 352.  
*C. sonchifolia* L..... 353.  
*C. sphærocephala* L..... 354.  
*C. aspera* L..... 355.  
*C. aspero-calcitrapa*..... 356.  
*C. calcitrapo-aspera*..... 357.  
*C. Calcitrapa* L..... 358.  
*C. trichacantha* D. C..... 360.  
*C. melitensis* L..... 361.  
*C. solstitialis* L..... 362.

68° GENRE. — *Microlonchus*. *D. C.*

*M. salmanticus* D. C..... 363.

69° GENRE. — *Kentrophyllum*. *Neck.*

*K. cæruleum* G. G. .... pl. 364. | *K. lanatum* D. C..... pl. 365.

70° GENRE. — *Cnicus*. *Vaill.*

*C. benedictus* L..... pl. 366.

71° GENRE. — *Crupina*. *Cass.*

*C. vulgaris* Cass..... pl. 367.

*C. brachypappa* Jord..... pl. 368.

*C. Morisii* Bor..... pl. 369.

72° GENRE. — *Serratula*. *D. C.*

*S. tinctoria* L..... pl. 370-371.

*S. heterophylla* Desf..... pl. 372.

*S. nudicaulis* D. C..... pl. 373.

73° GENRE. — *Jurinea*. *Cass.*

*J. Bocconi* Guss..... pl. 374.

*J. pyrenaica* G. G..... pl. 375.

74° GENRE. — *Leuzea*. *D. C.*

*C. conifera* D. C..... pl. 376.

75° GENRE. — *Berardia*. *Vill.*

*B. subacaulis* Vill..... 377.

76° GENRE. — *Saussurea*. *D. C.*

*S. depressa* Gr..... pl. 378.

*S. alpina* D. C..... pl. 379.

*S. discolor* D. C..... pl. 381.

77° GENRE. — *Stæhelina*. *D. C.*

*S. dubia* L..... pl. 382.



78° GENRE. — *Chamæpeuce*. *Prosp.*

*C. Casabonæ* D. C. .... pl. 383.

79° GENRE. — *Carlina*. *Tourn.*

*C. vulgaris* L. .... pl. 384.

*C. macrocephala* Mor. .... 386.

*C. lanata* L. .... 387.

*C. corymbosa* L. .... pl. 388.

*C. acaulis* L. .... 389-391.

*C. acanthifolia* All. .... 392.

*C. gummifera* Less. .... pl. 393.

80° GENRE. — *Atractylis*. *L.*

*A. cancellata* L. .... pl. 394. | *A. humilis* L. .... pl. 395.

81° GENRE. — *Lappa*. *Tourn.*

*L. minor* D. C. .... pl. 396.

| *L. major* Gærtn. .... pl. 397.

| *L. tomentosa* Lamk. .... pl. 398.

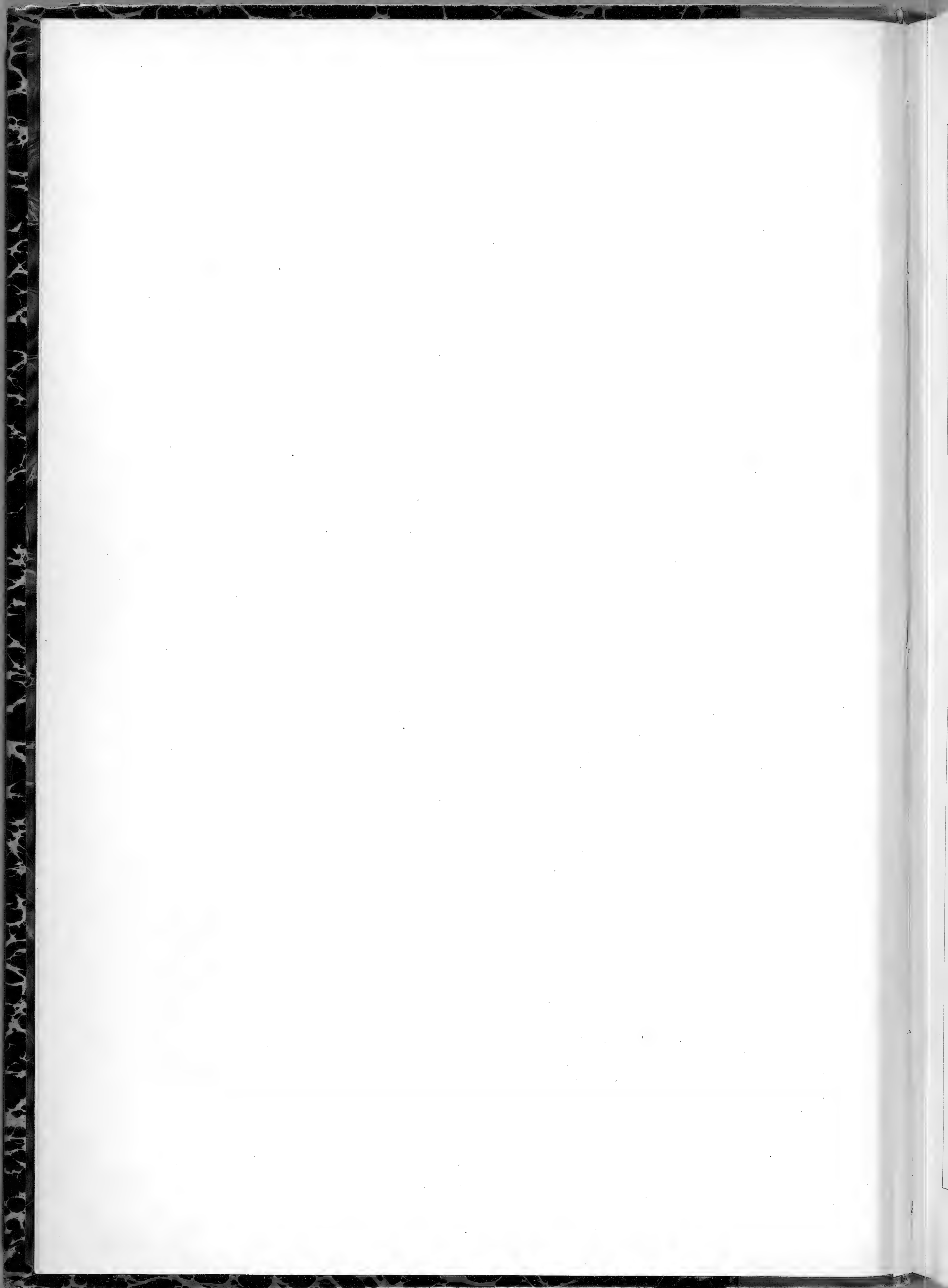
82° GENRE. — *Xeranthemum*. *Tourn.*

*X. annuum* L. .... pl. 399

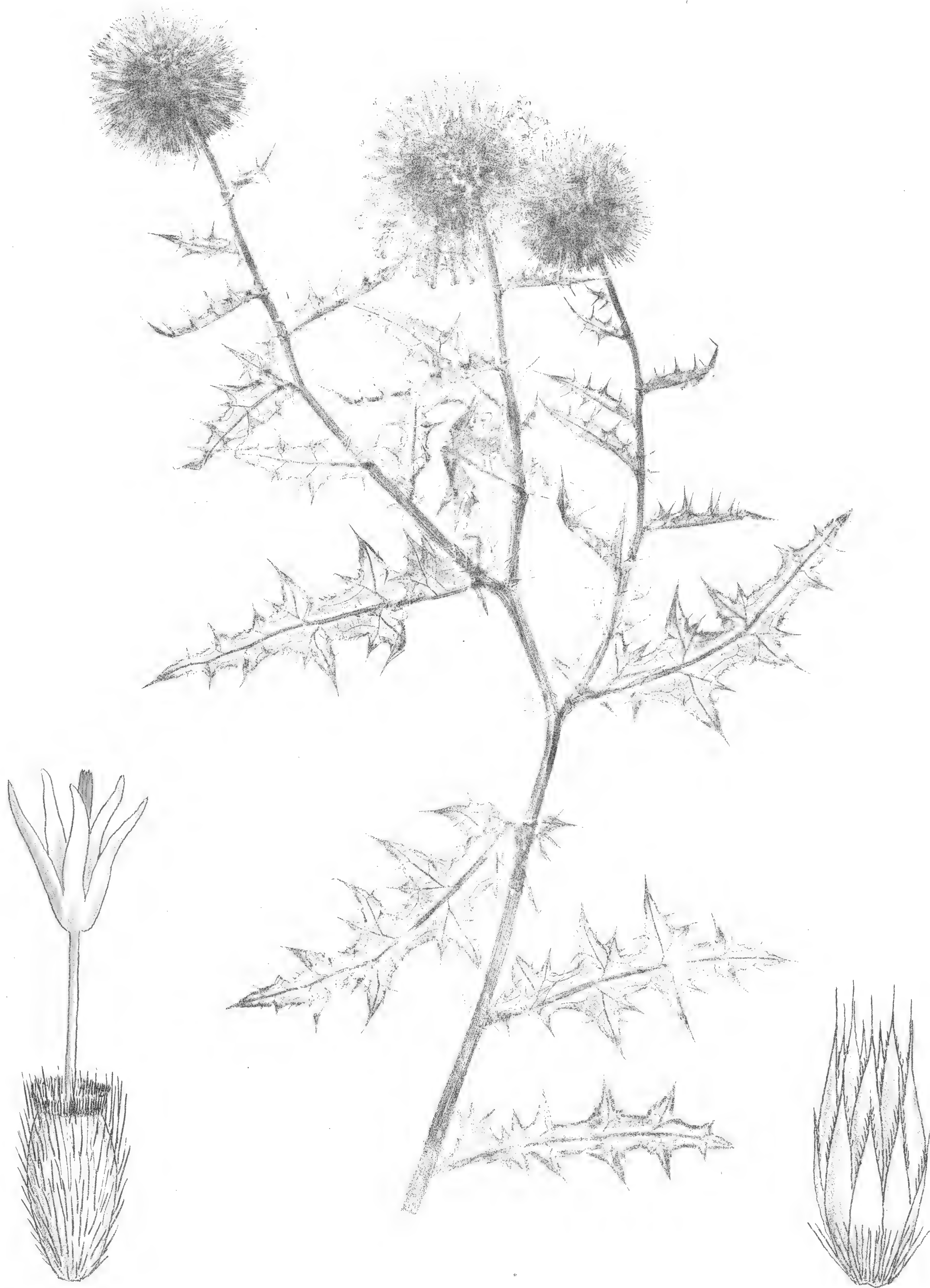
| *X. inapertum* Wild. .... pl. 400

| *X. cylindraceum* Sib. .... pl. 401









ECHINOPS SPHÆROCEPHALUS. L. 26



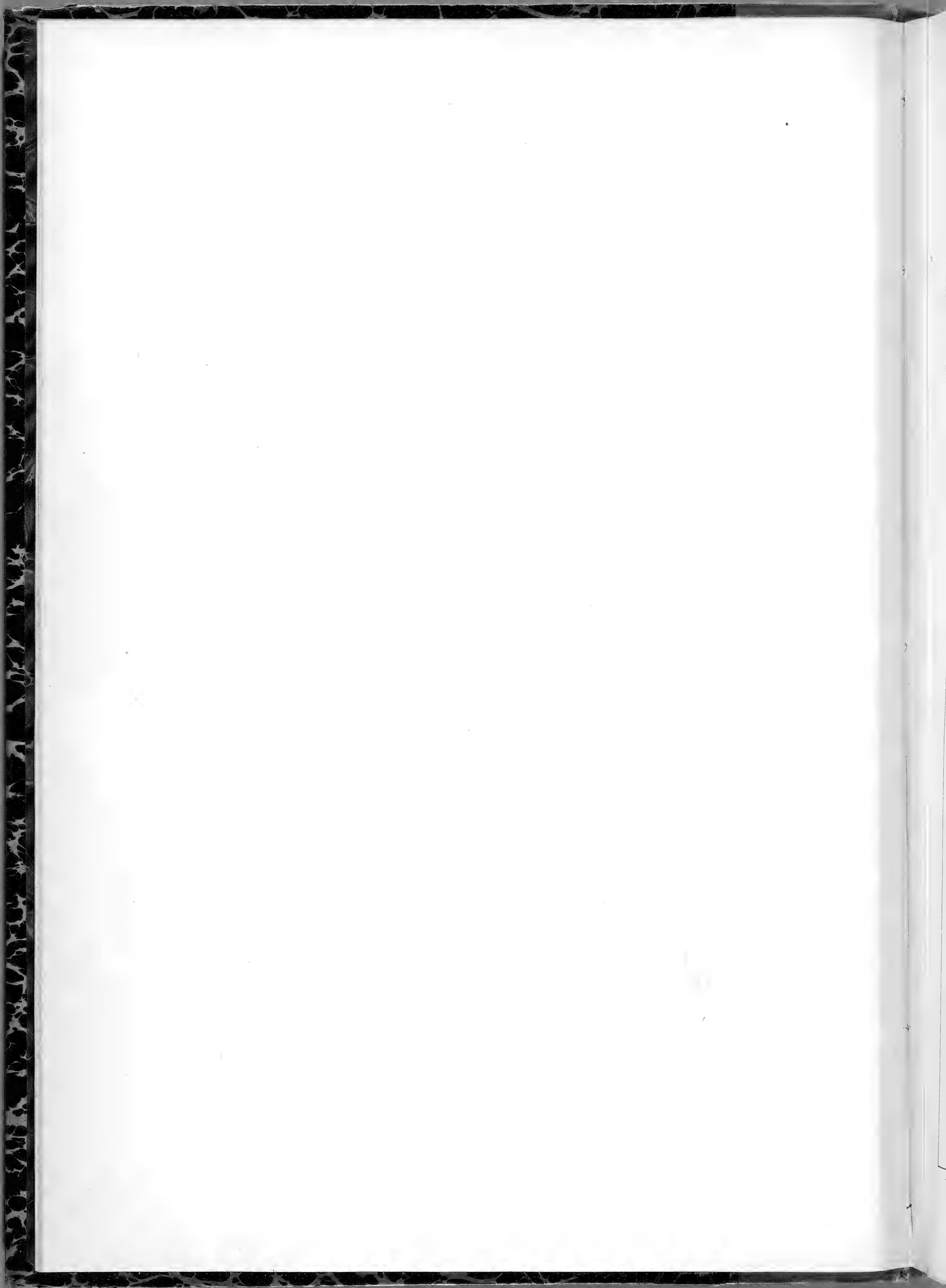
CHARLES C. C. C.  
THOMAS C. C. C.





E. RITRO. L. 27



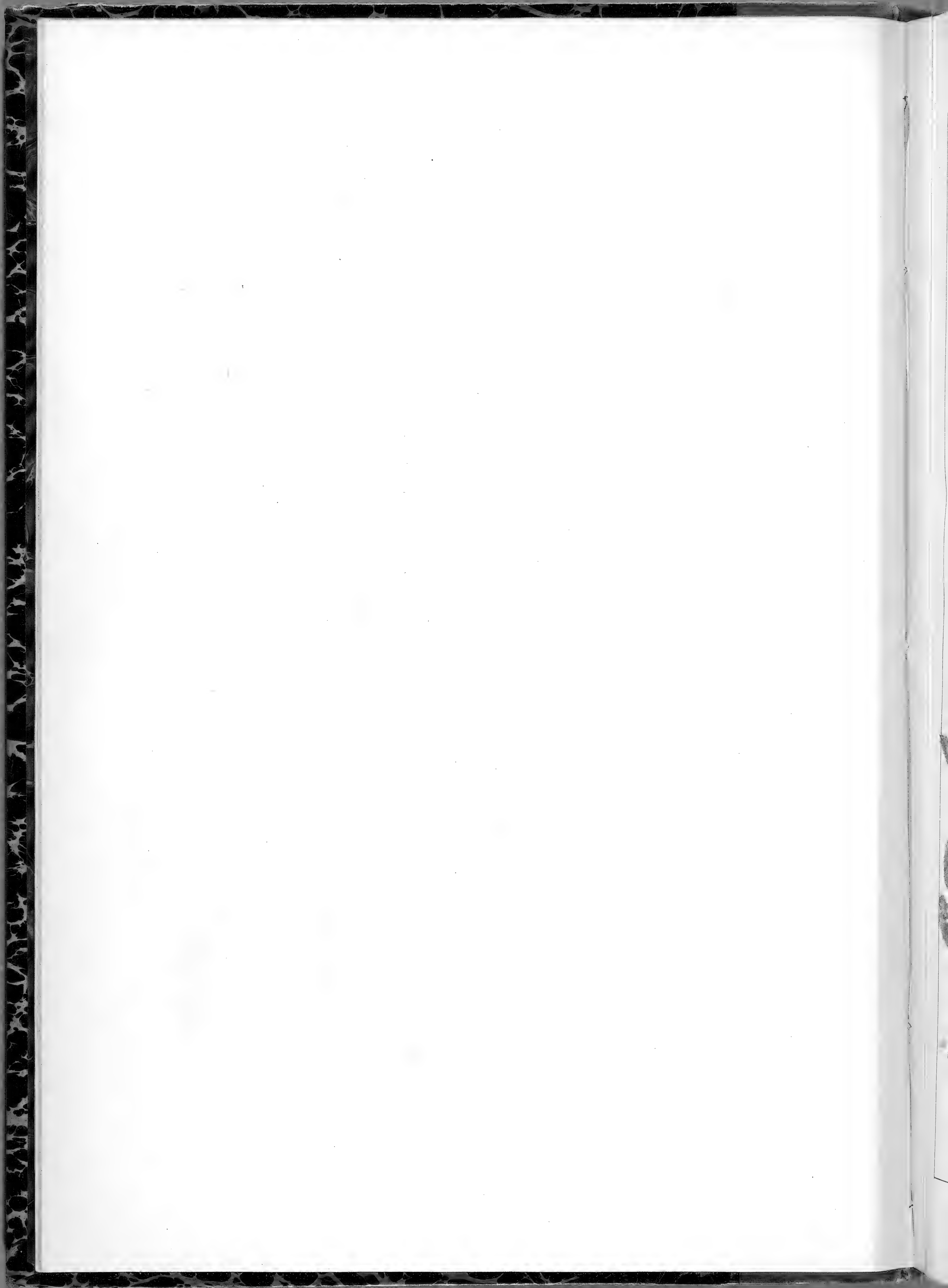






GALACTITES TOMENTOSA. MENCH. 7



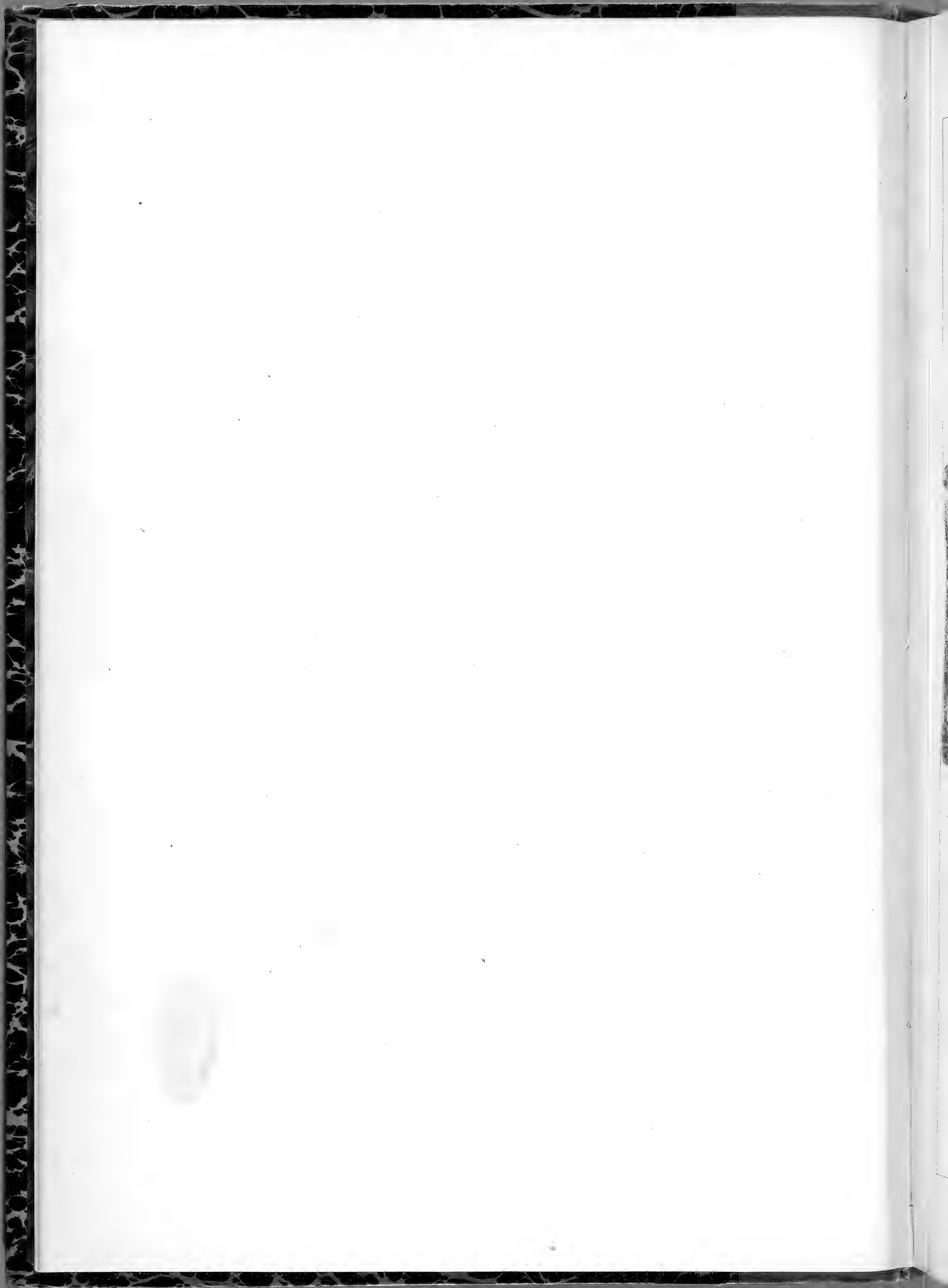






TYRIMNUS LEUCOGRAPHUS. CASS ②



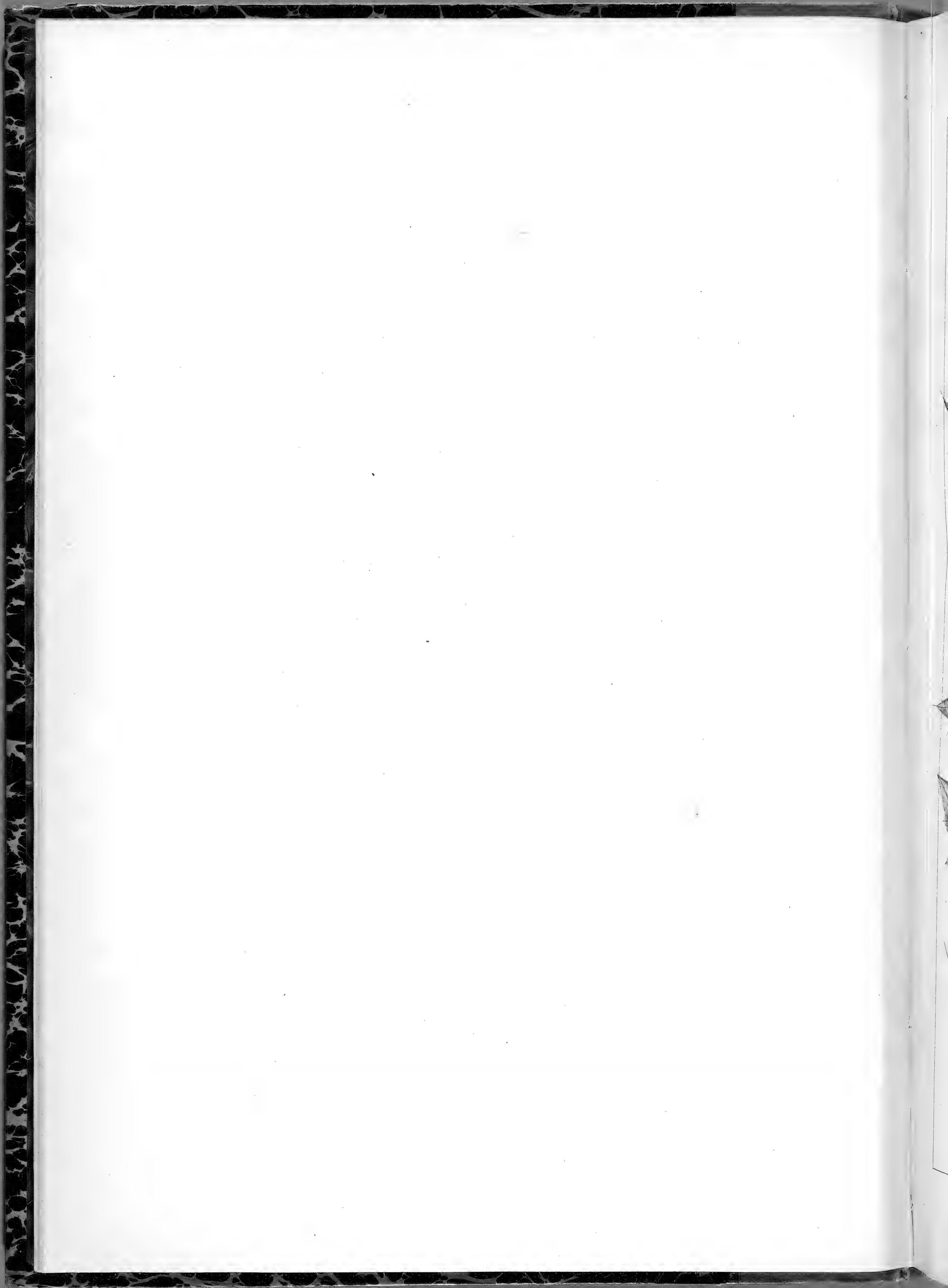






SILYBUM MARIANUM. GÆRTN. ②



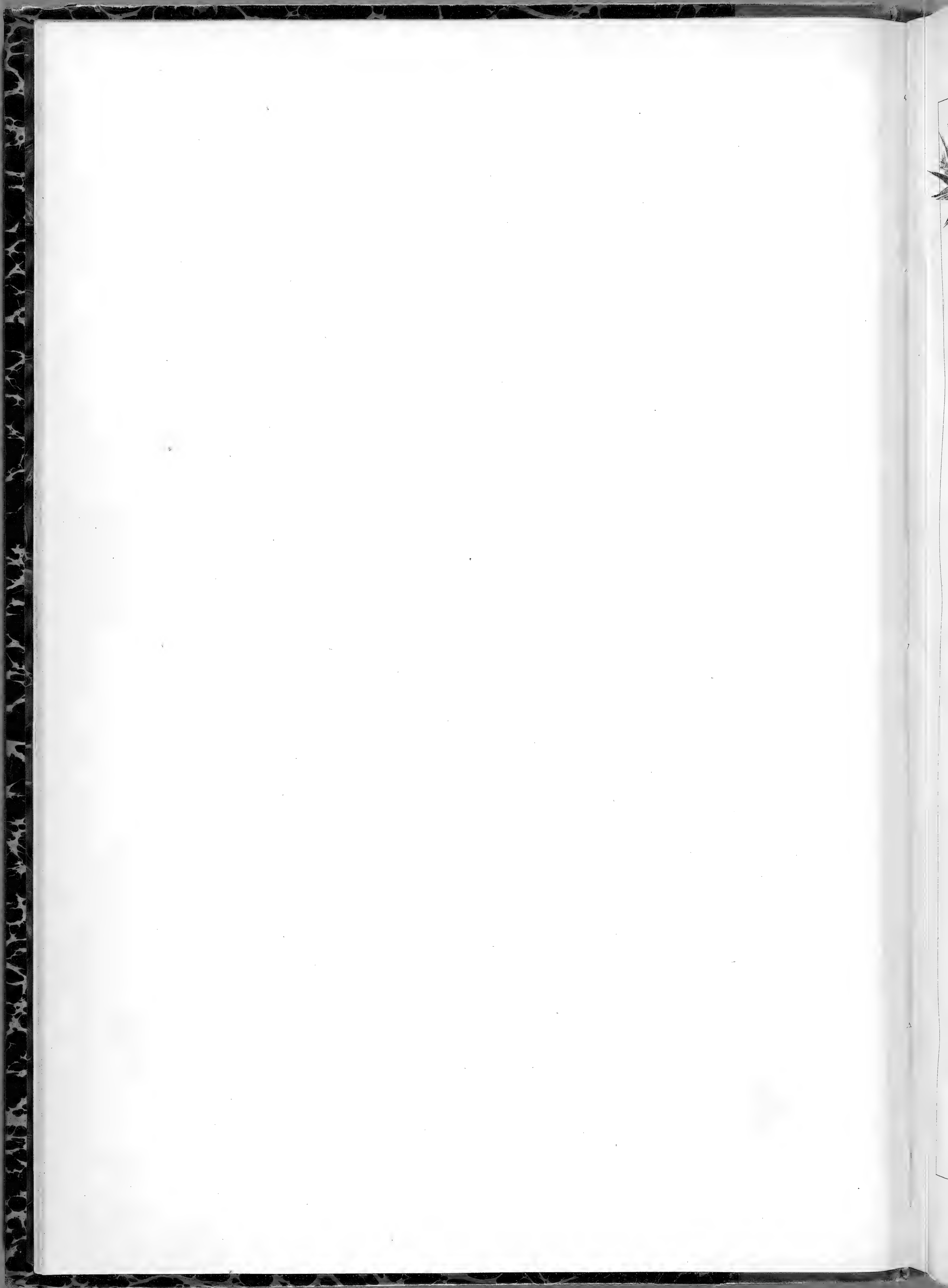






ONOPORDON ACANTHIUM. L. ②



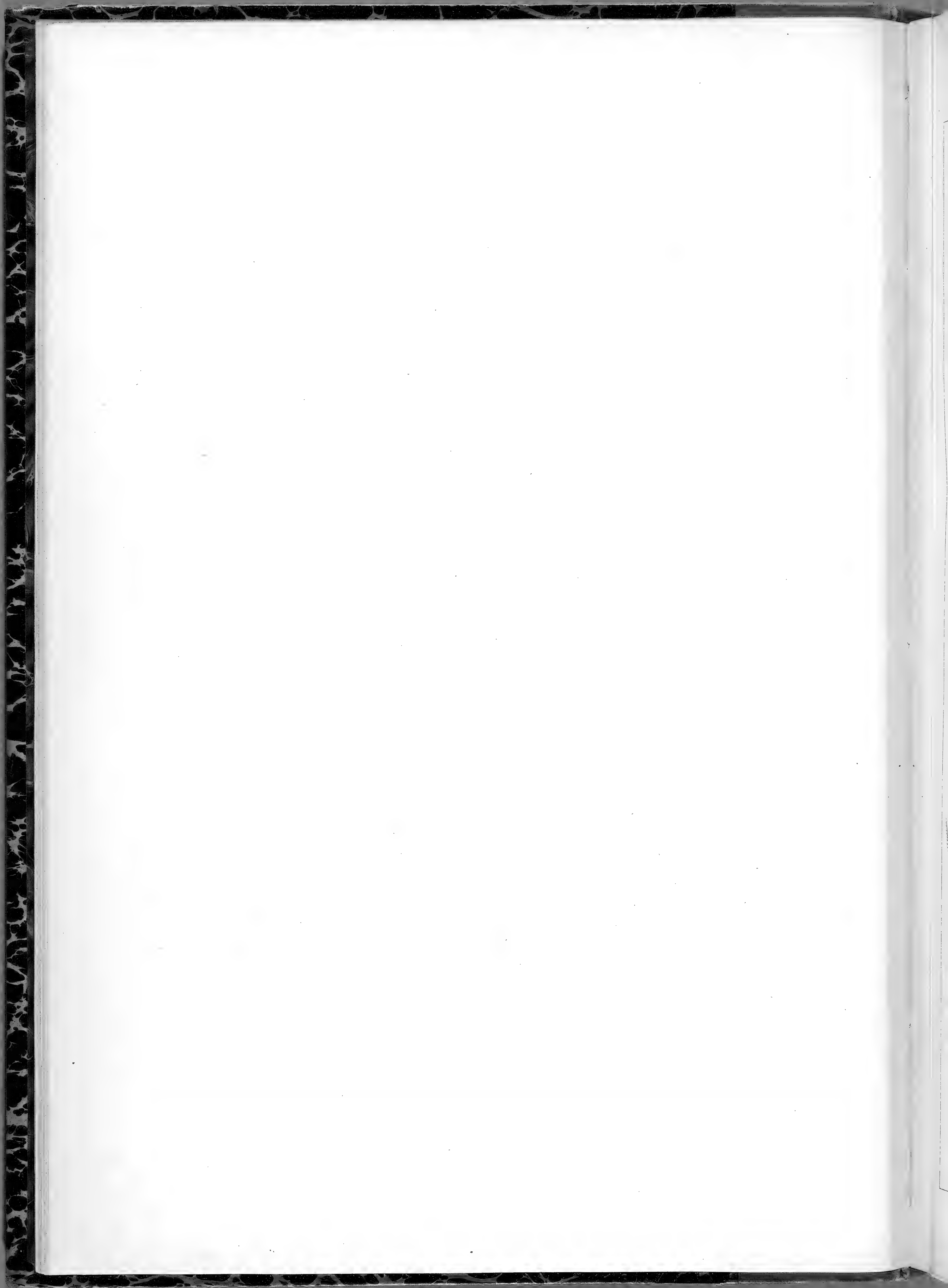




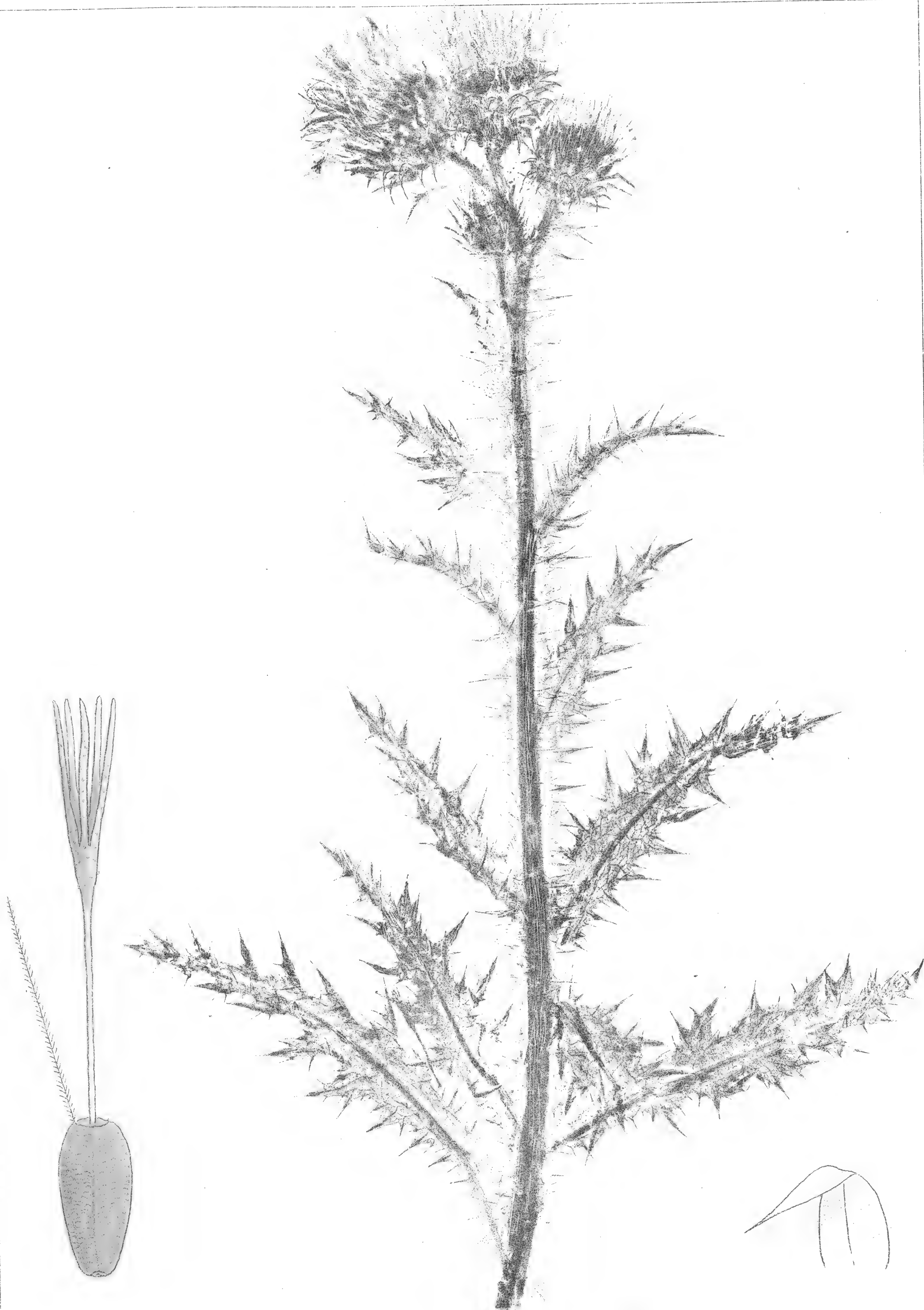


*O. TAURICUM*. WILLD. (2)



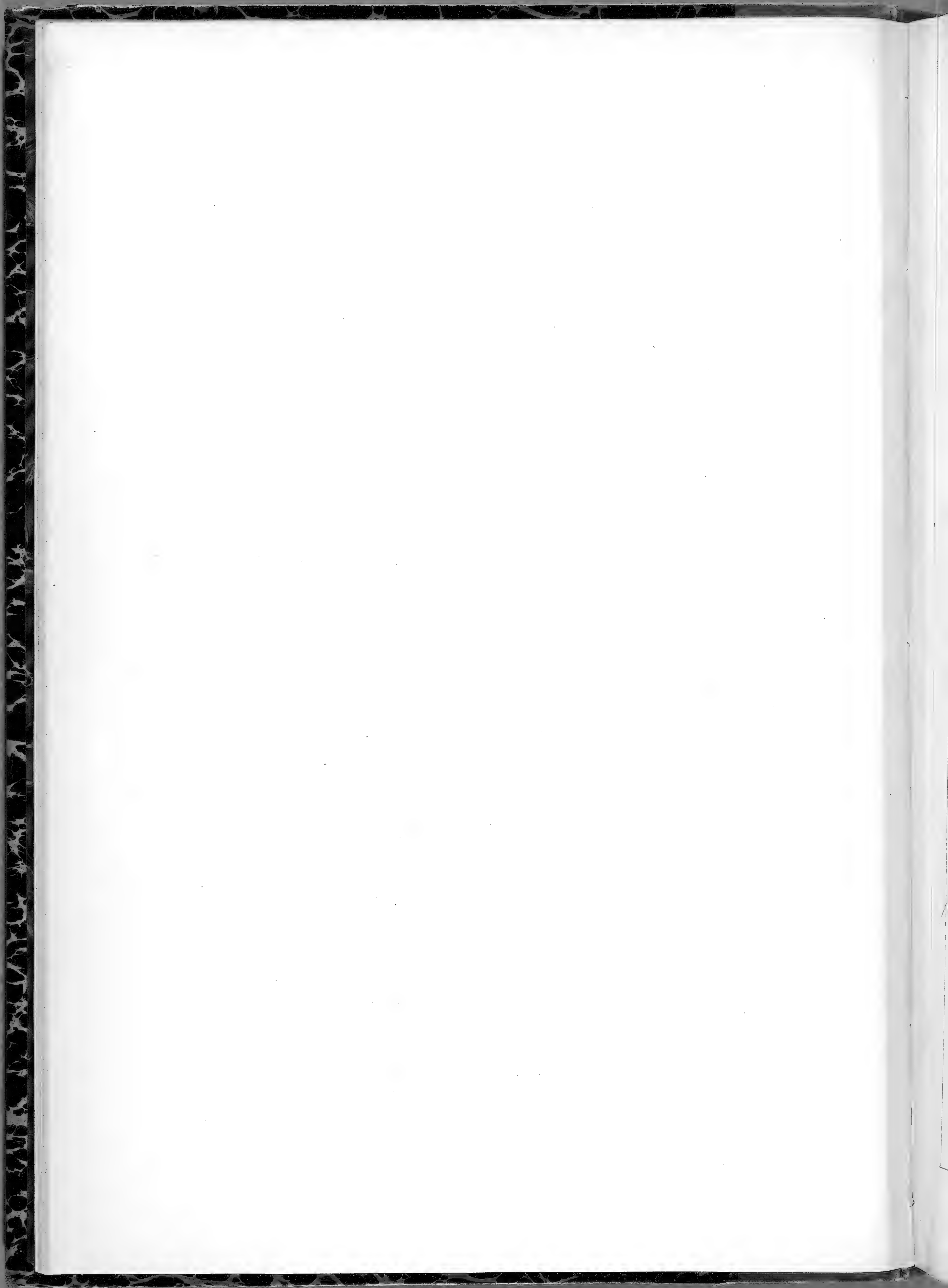






O. ILLYRICUM. L. 24



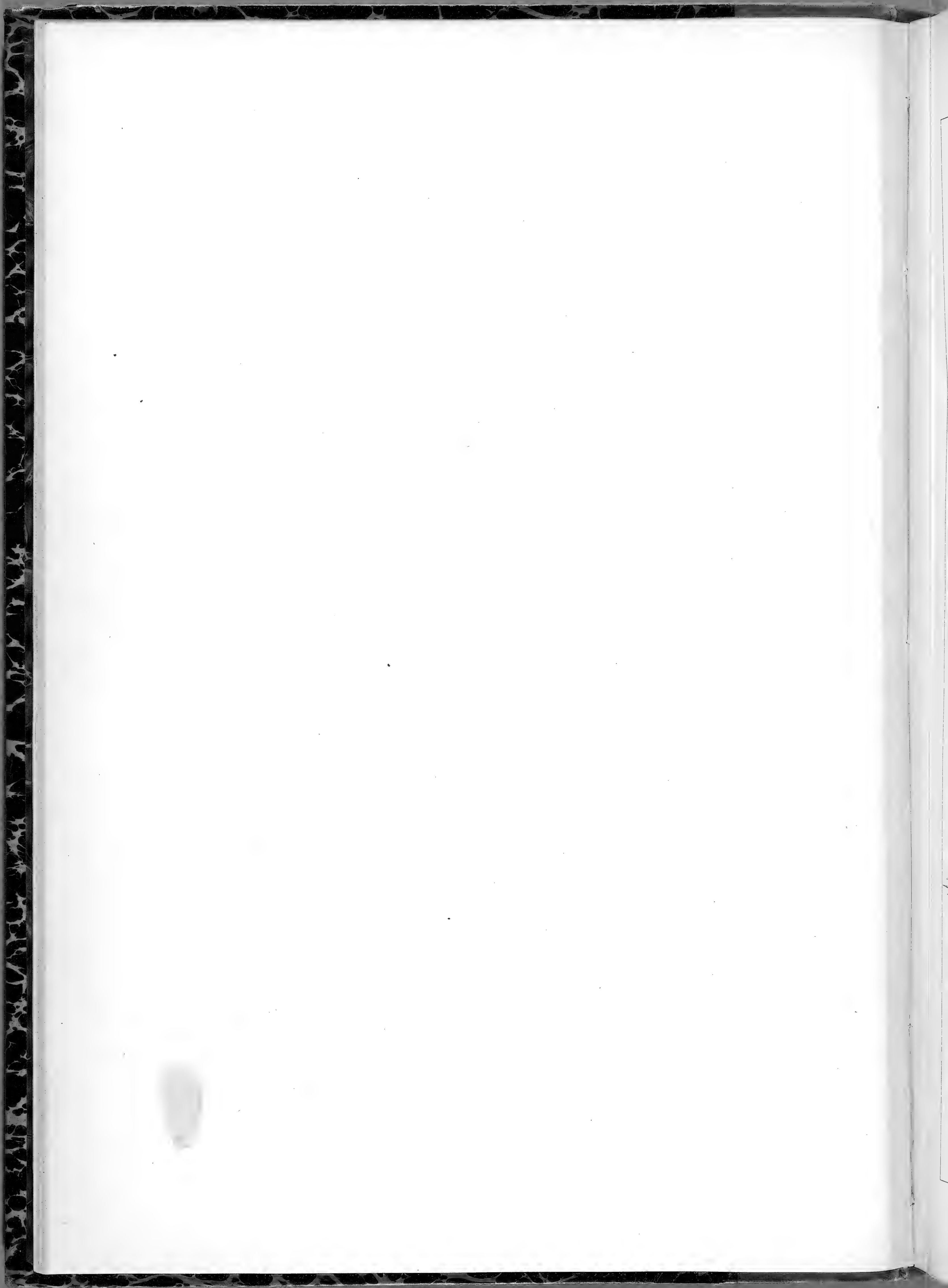






O. ARABICUM L. ©







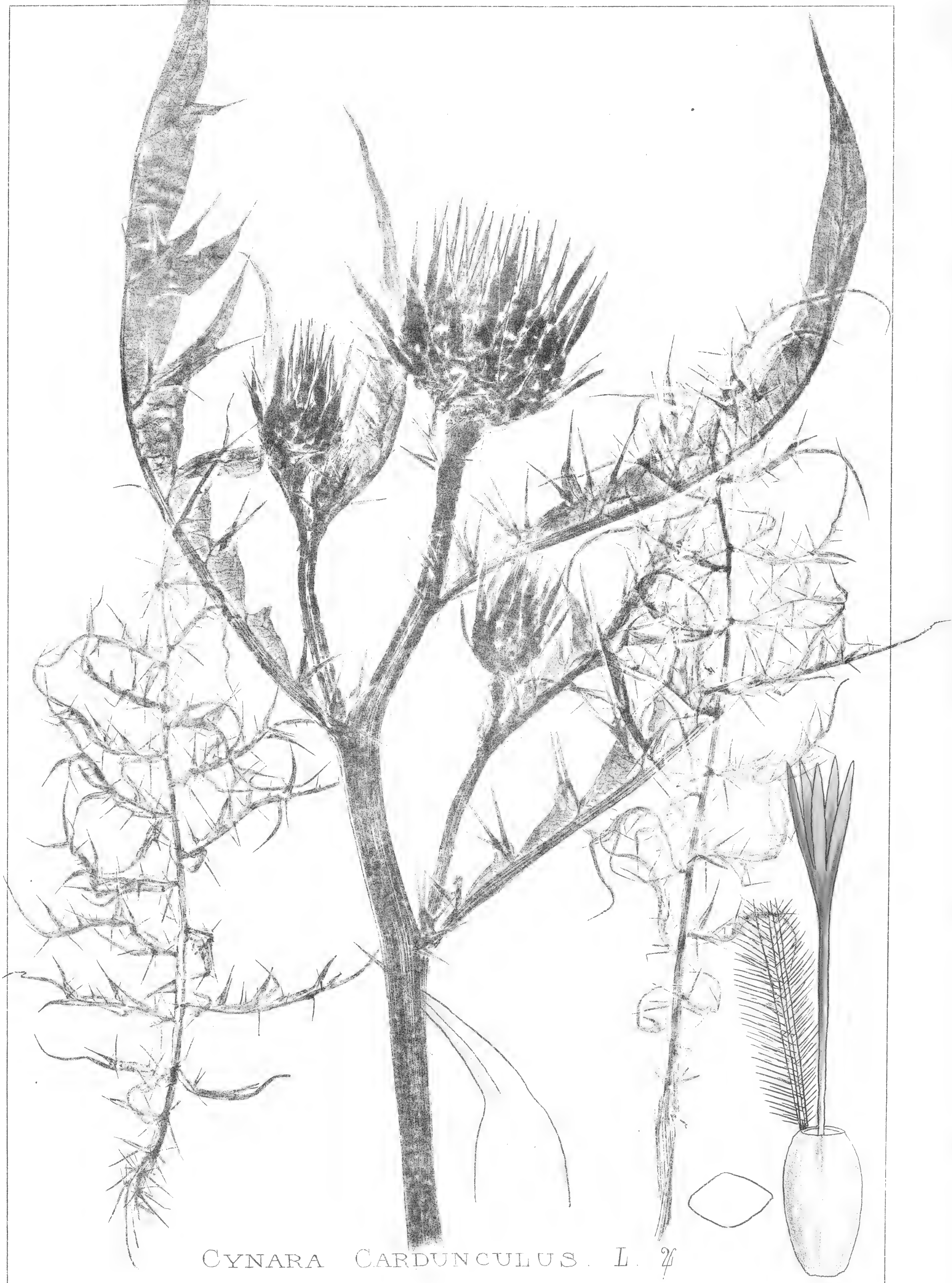


*O. acaule* L. (2)



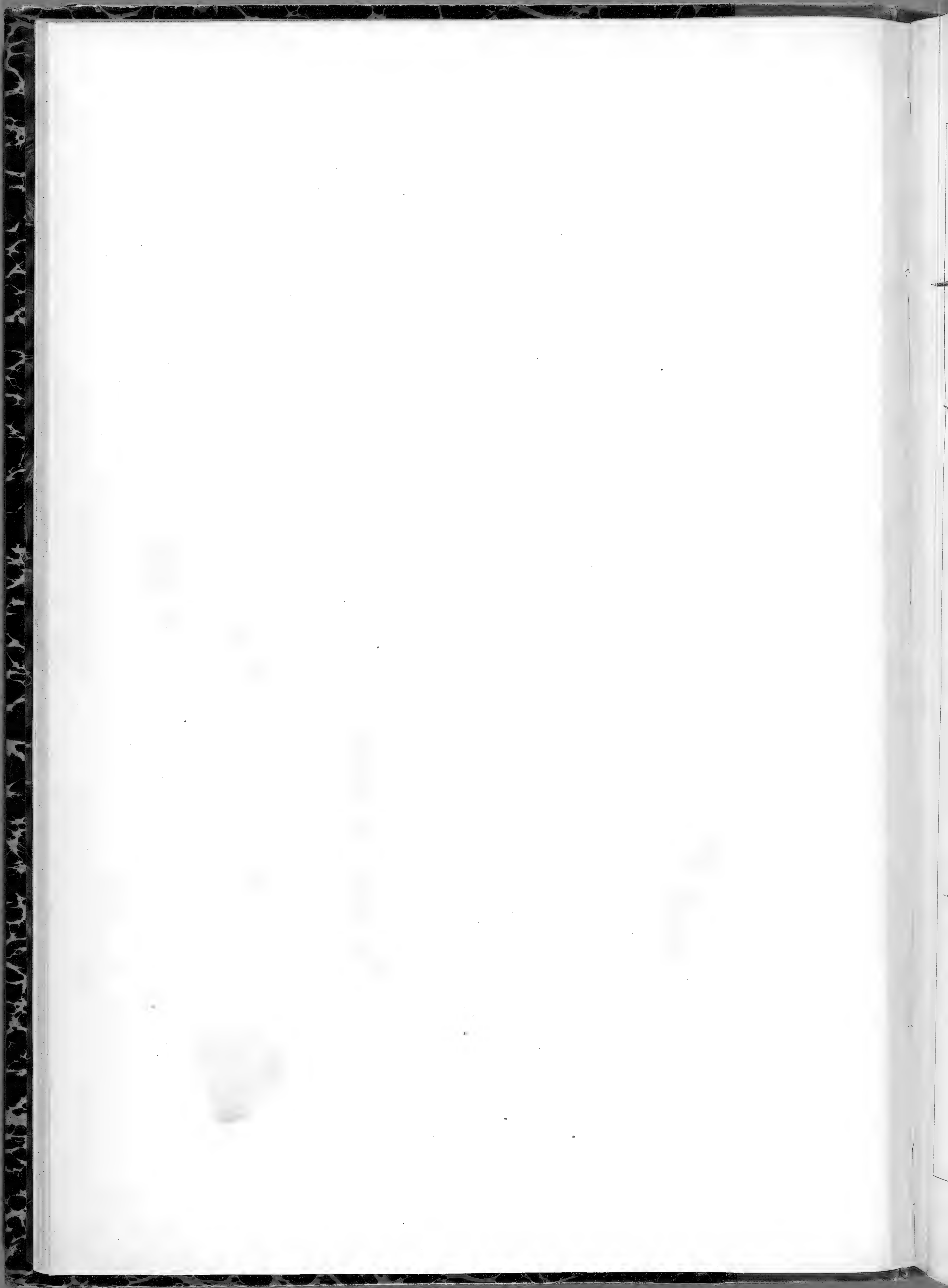




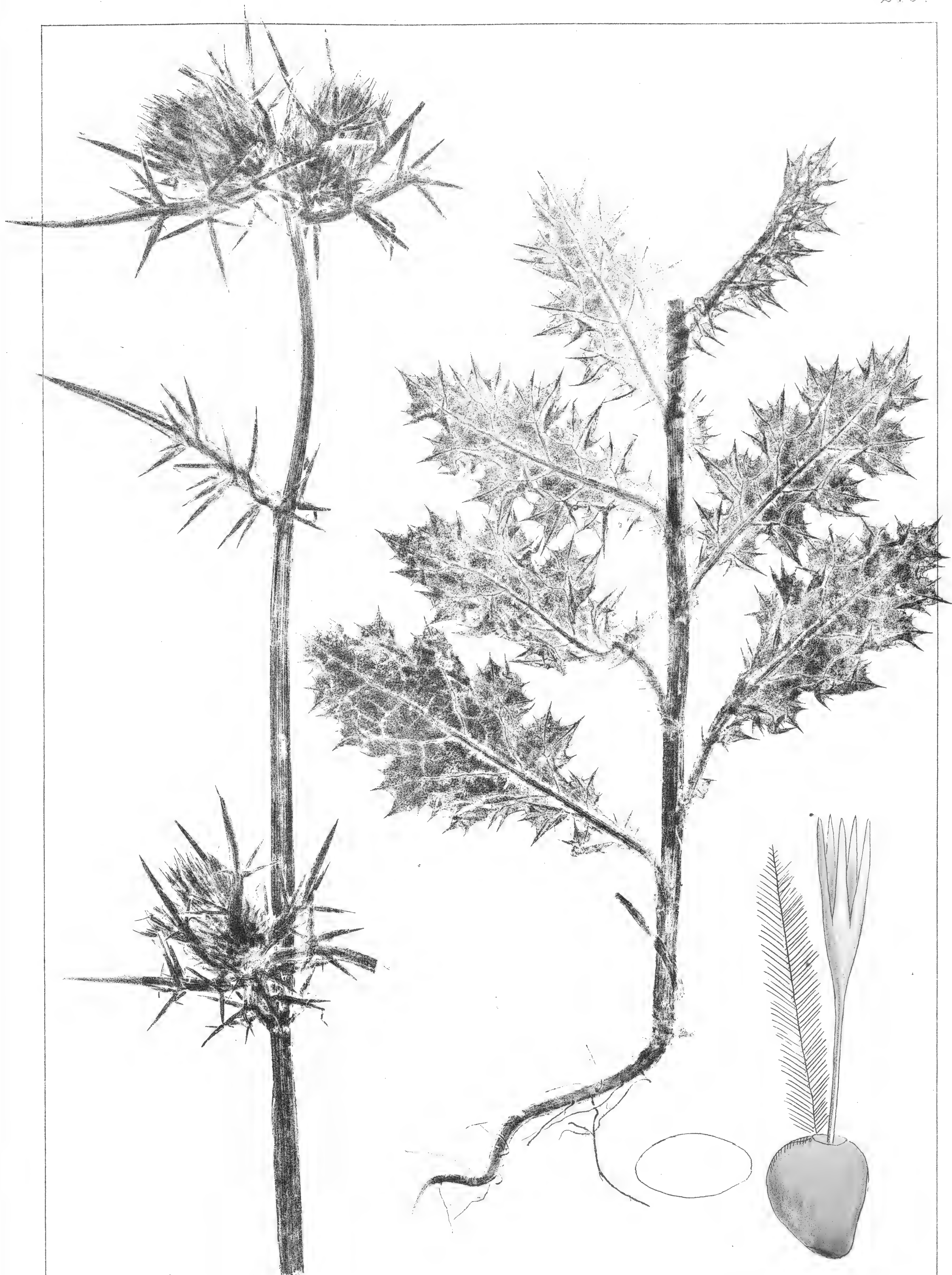


CYNARA CARDUNCULUS. L. 2



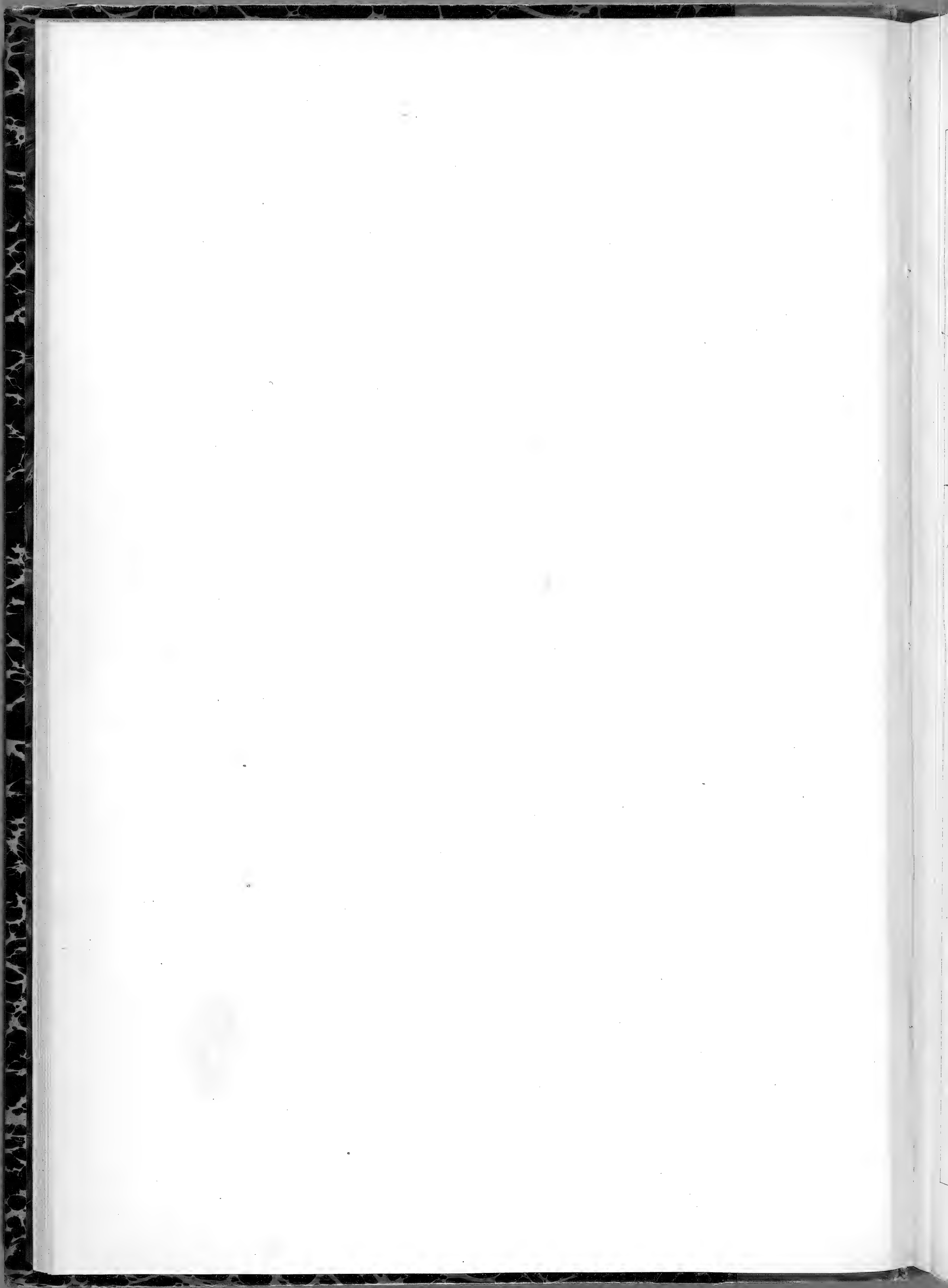




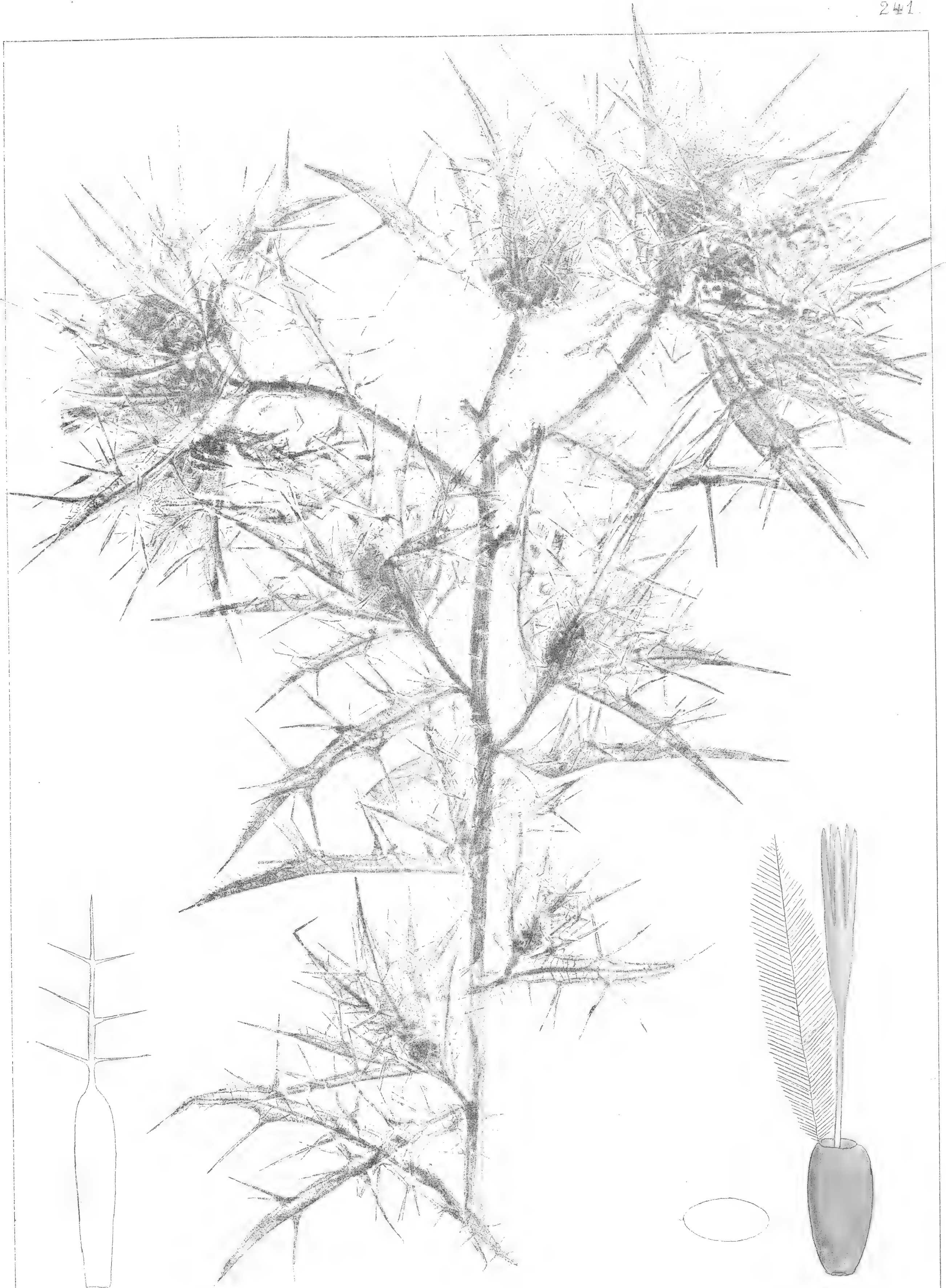


NOTOBASIS SYRIACA. CASS. ①



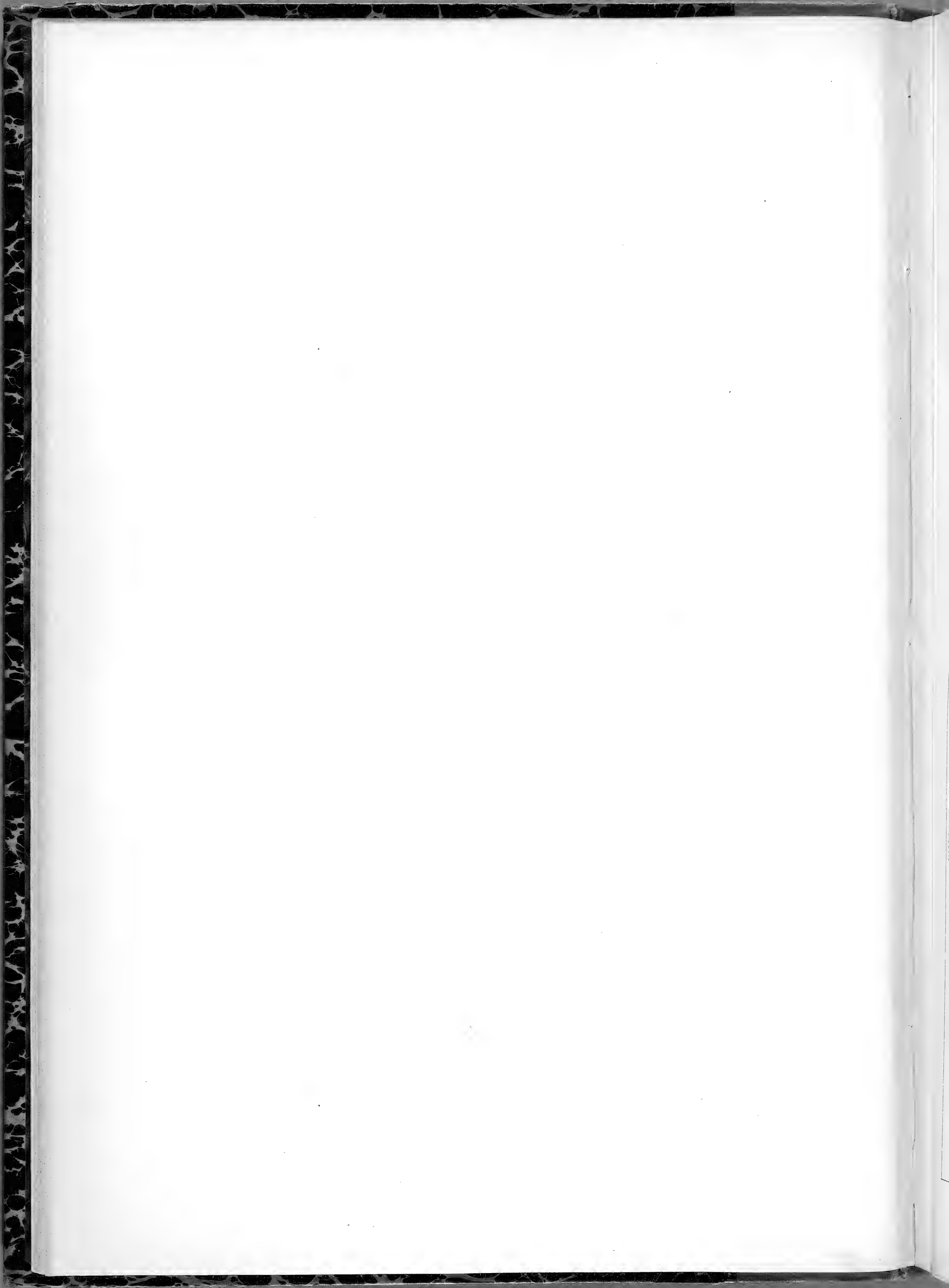






PICNOMON ACARNA. CASS. ①



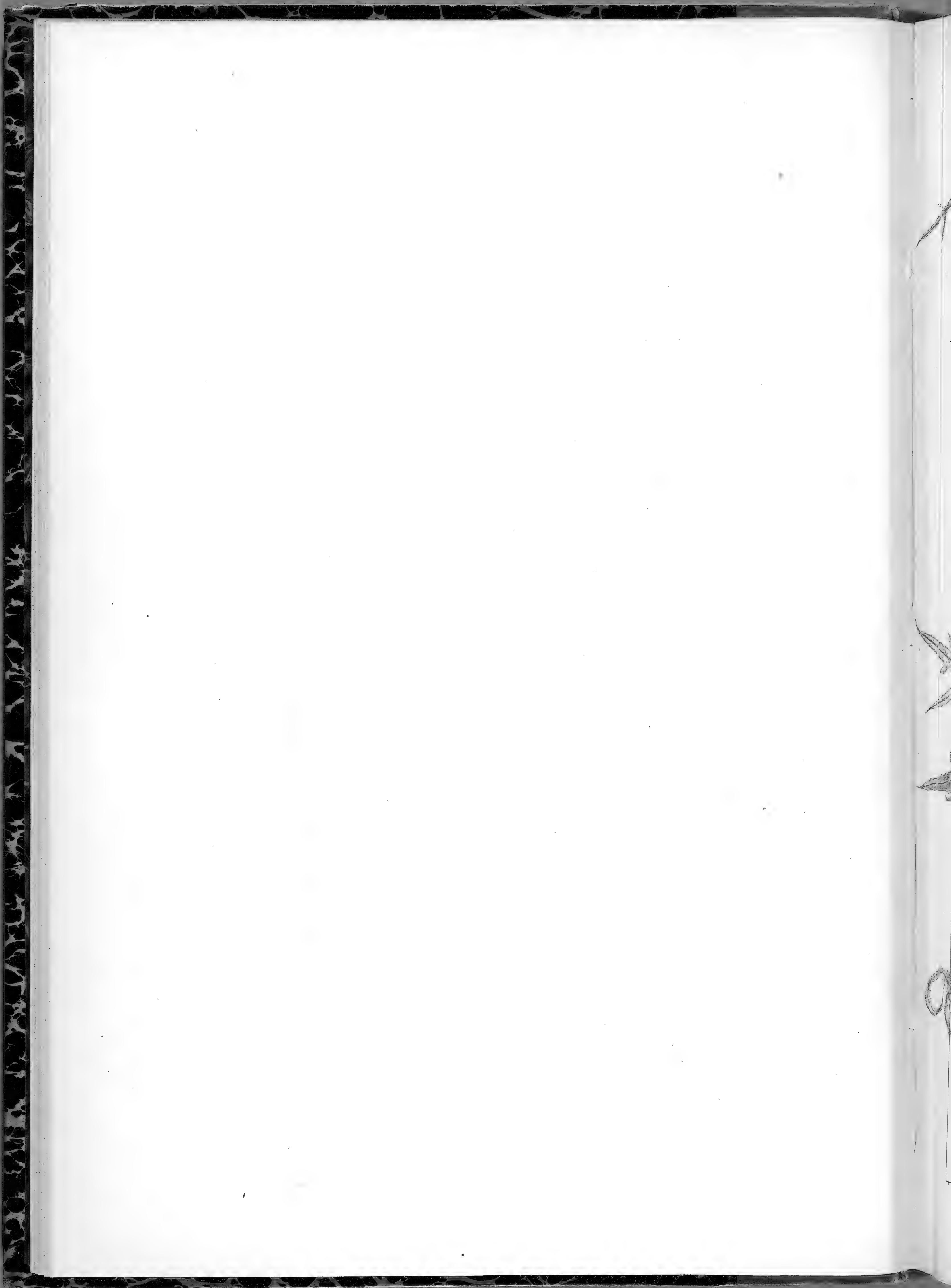






CIRSIIUM ITALICUM. D. C. ②



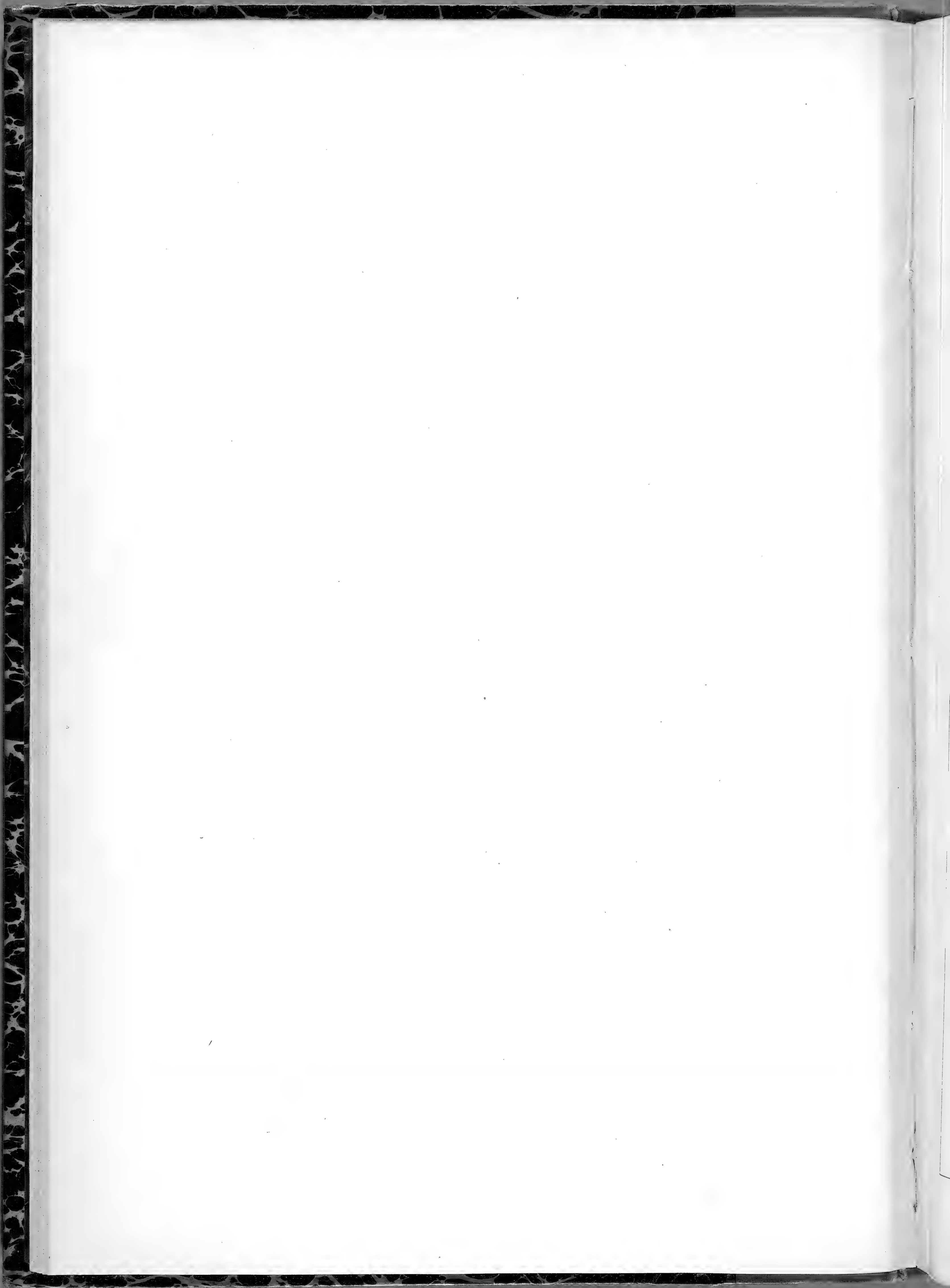






*C. LANCEOLATUM*. SCOP. ②



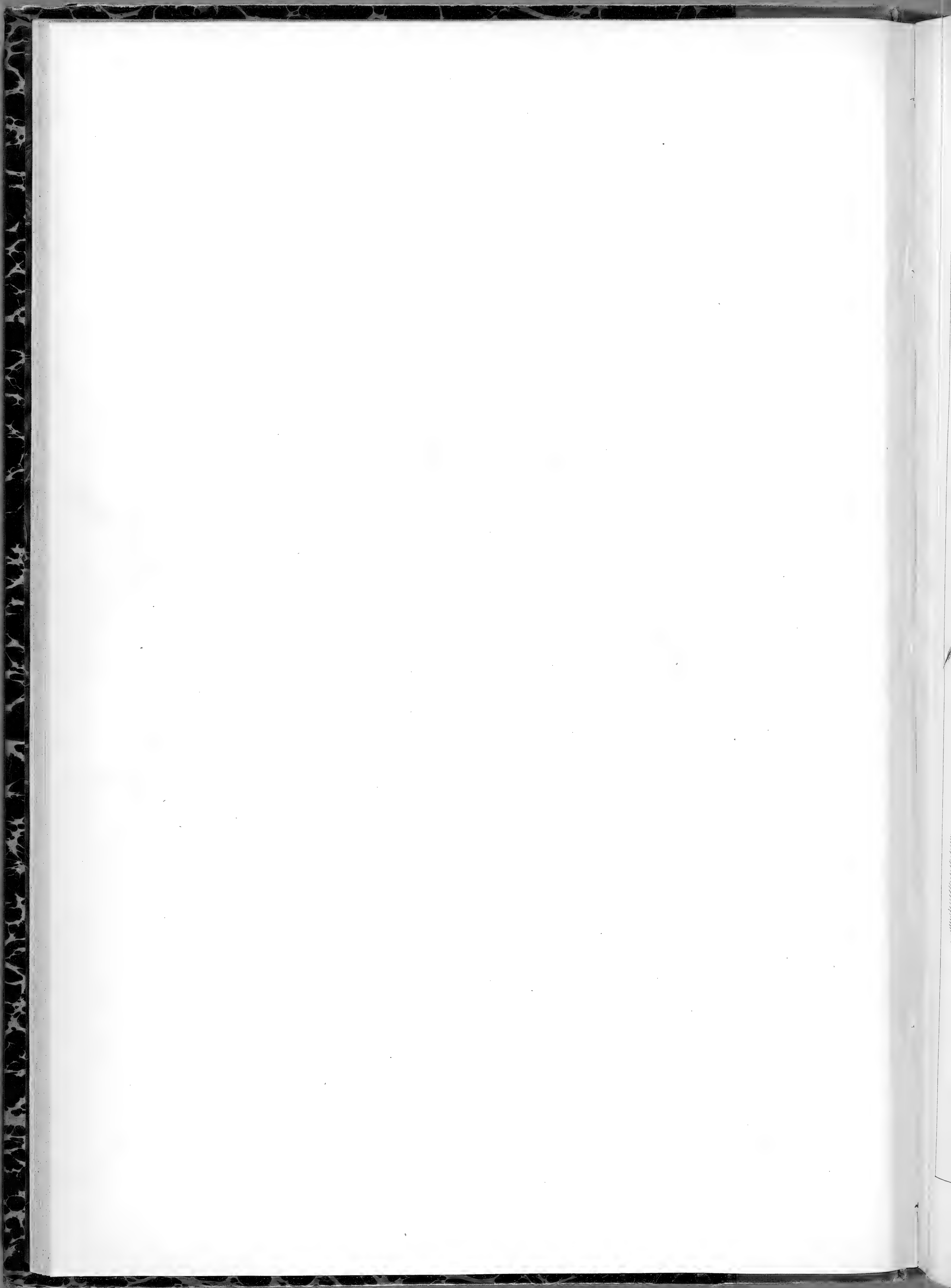






C. LANCEOLATUM. SCOP. ② Var. hypoleuca.



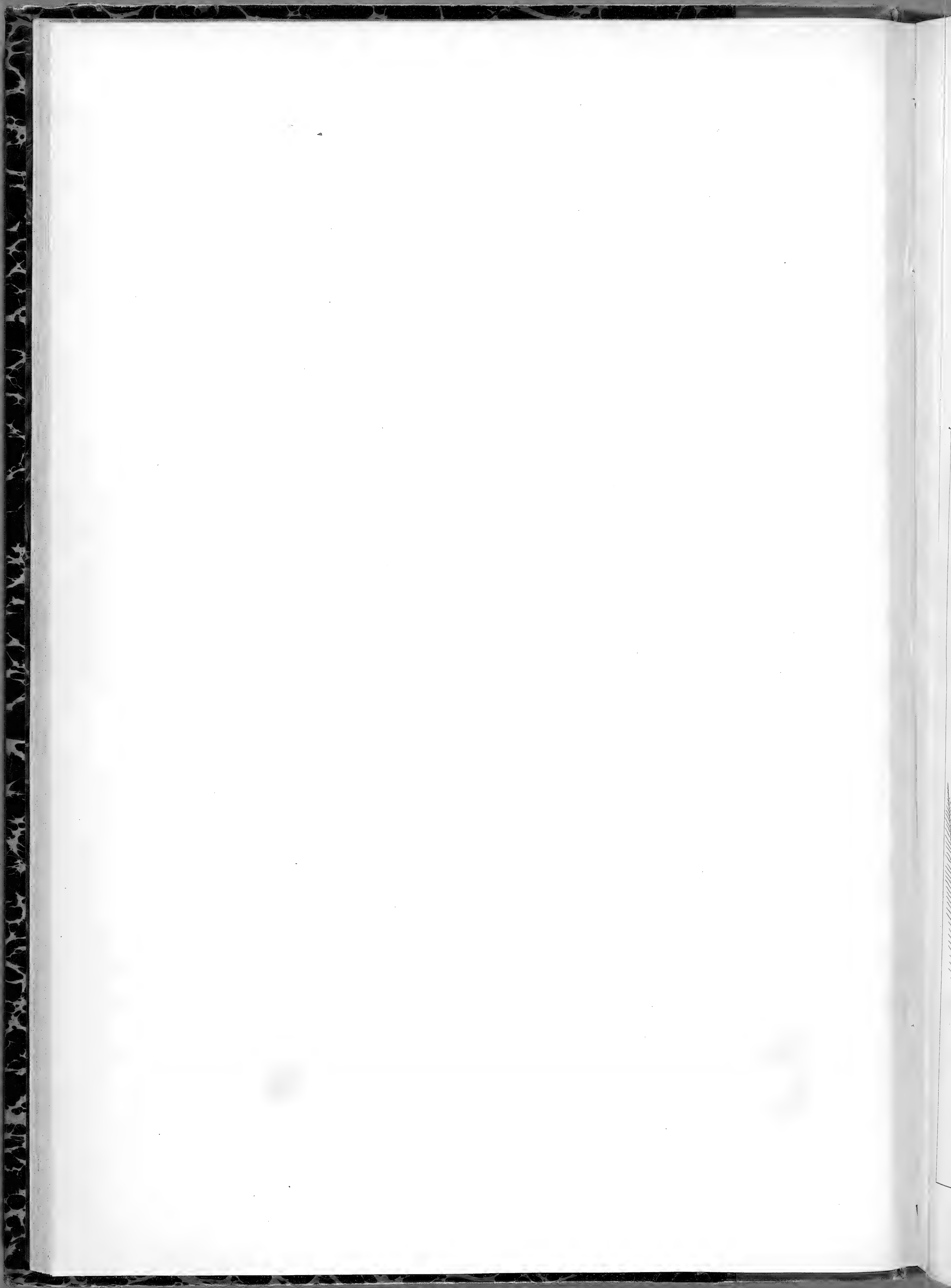




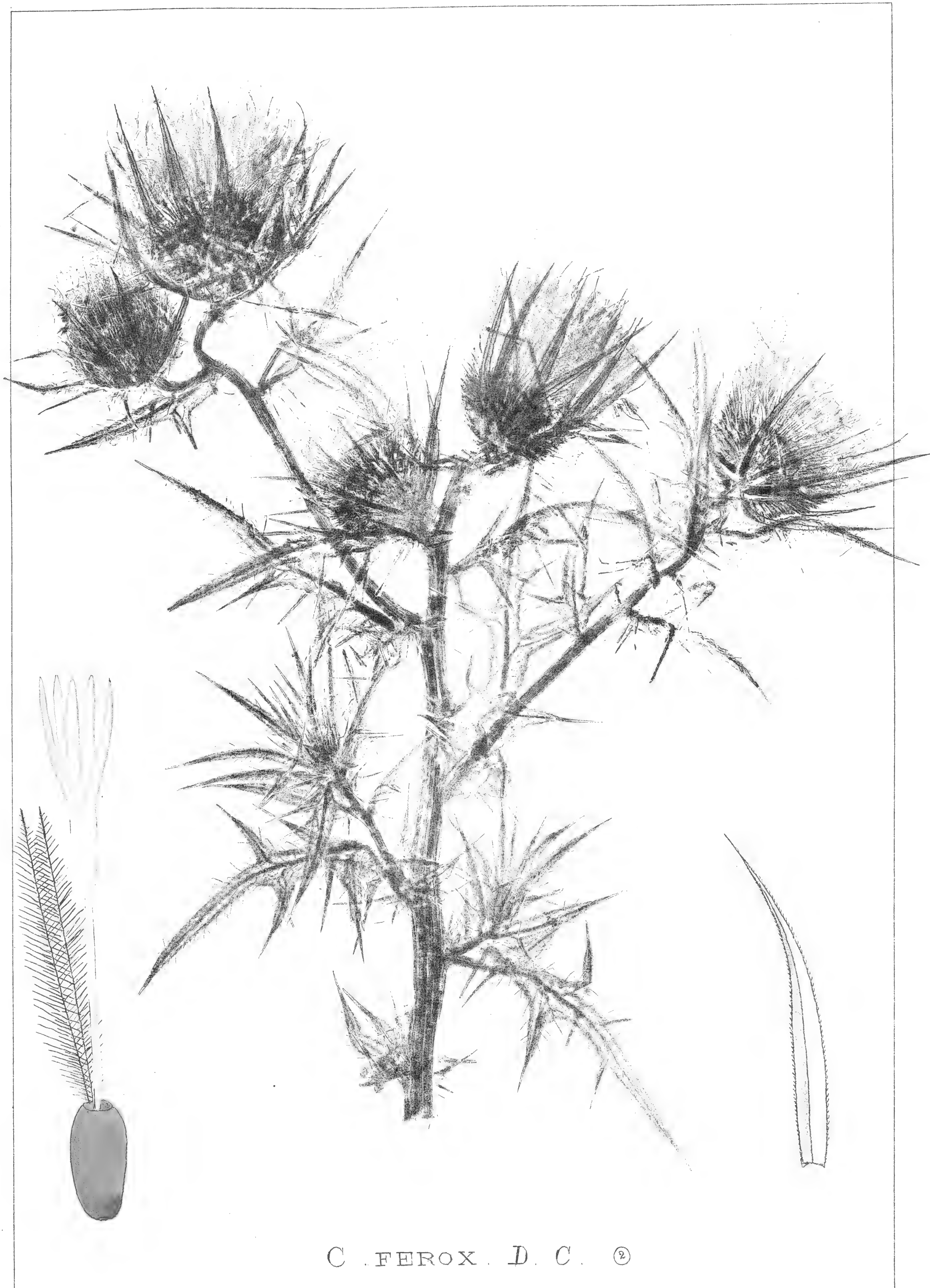


C. ECHINATUM. D. C. 2



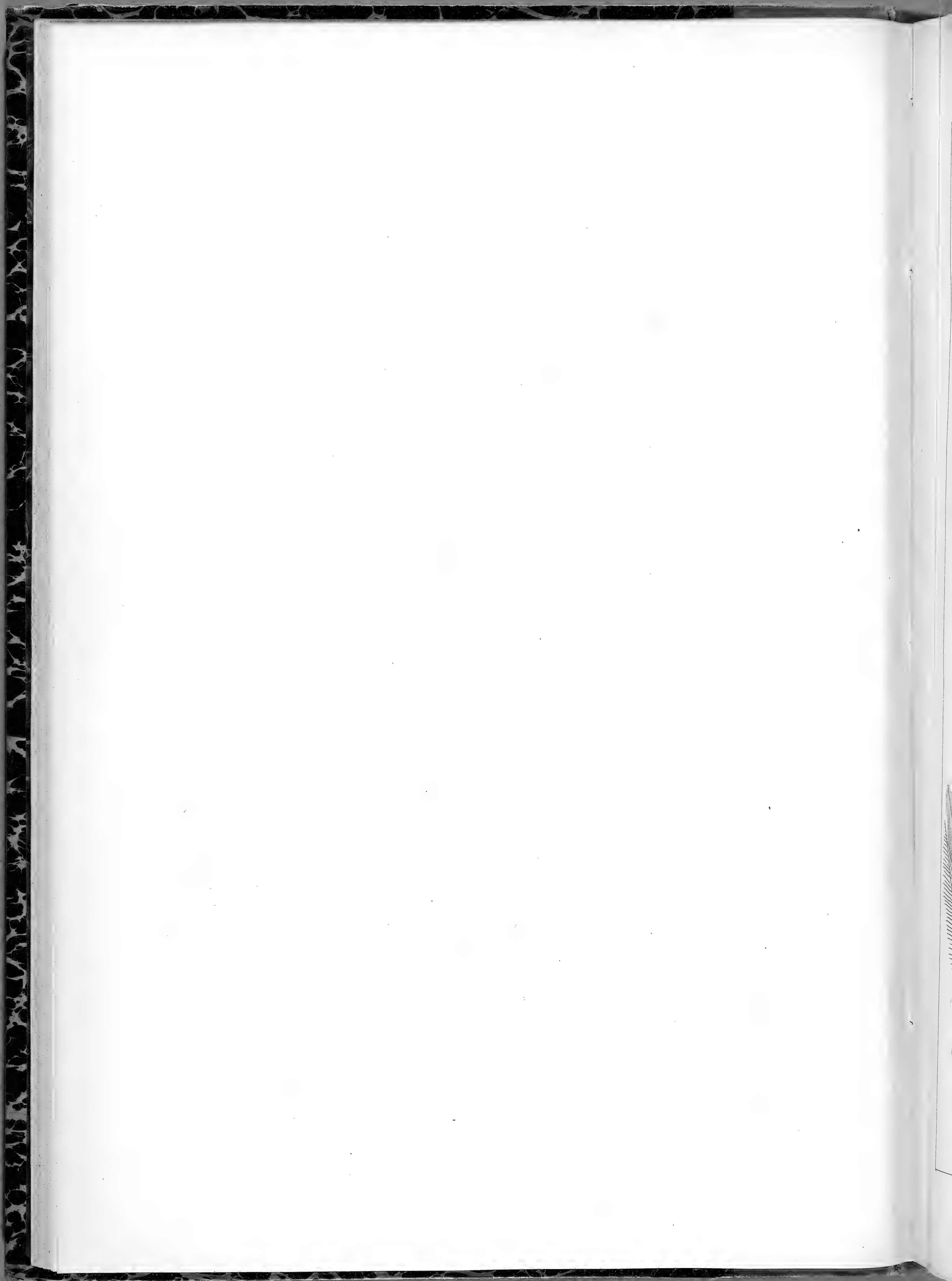






*C. ferox*. D. C. ②









C. ERIOPHORUM. SCOP. ②



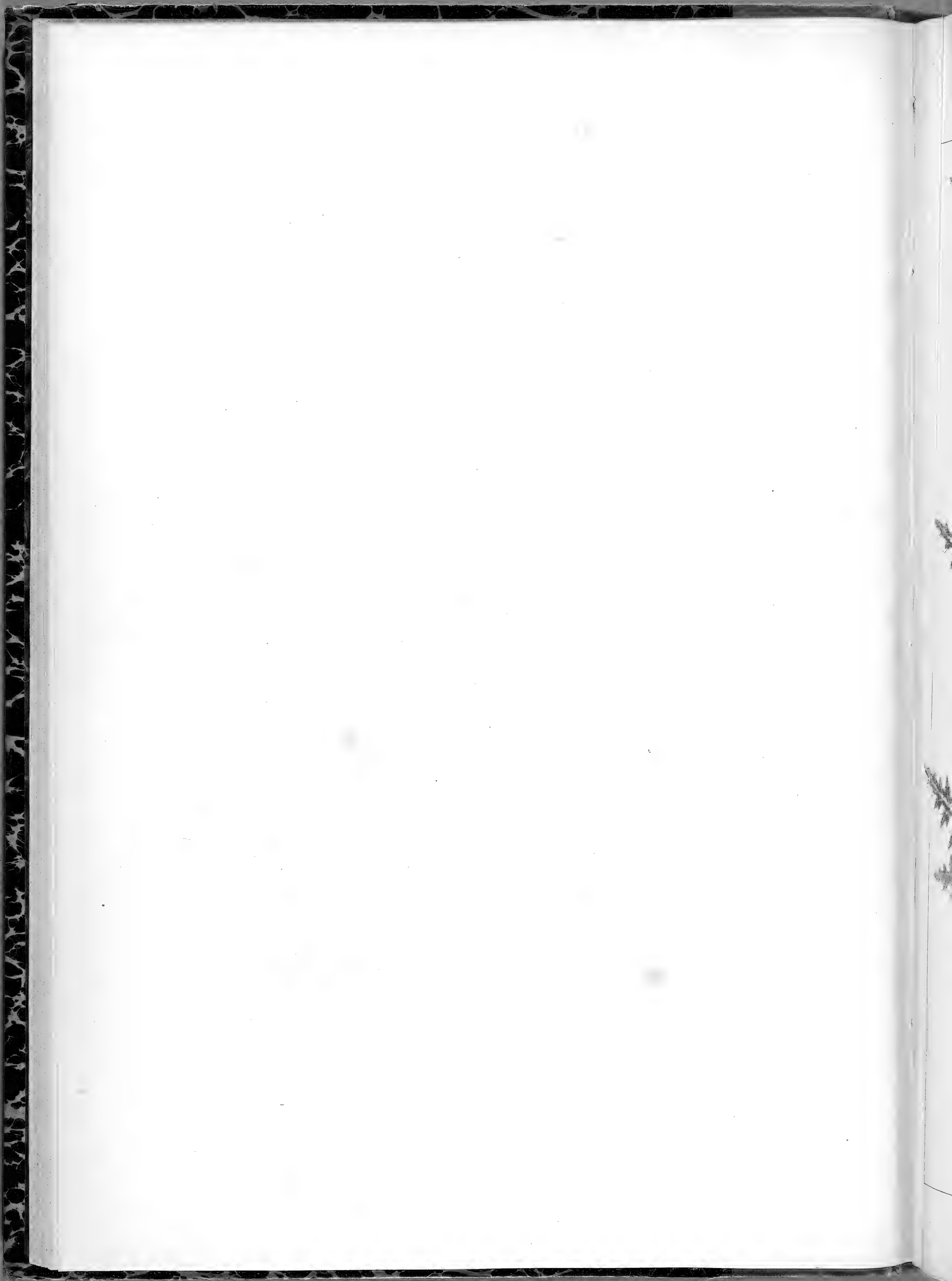
THE UNIVERSITY OF CHICAGO  
LIBRARY



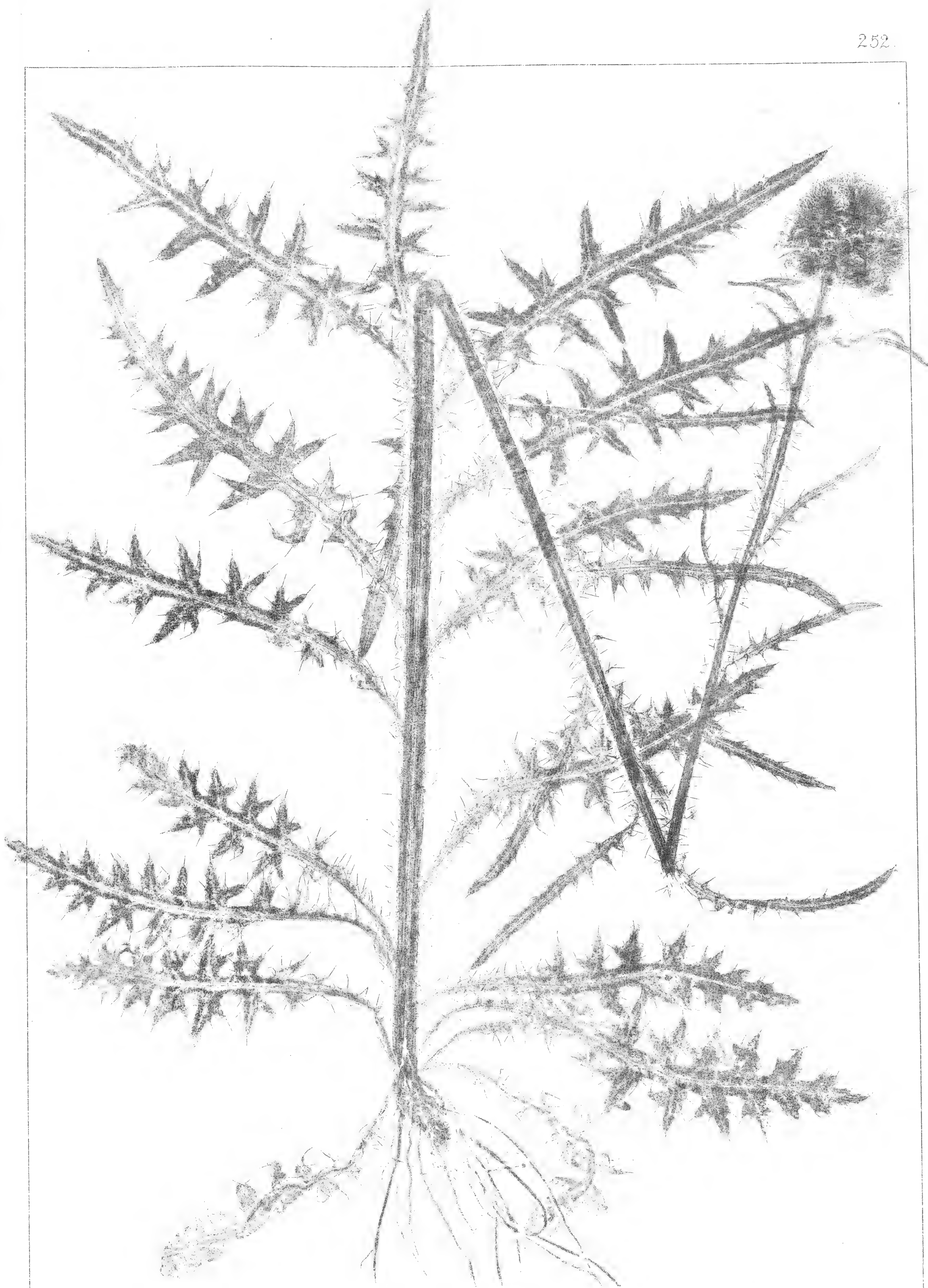


C. PALUSTRE. SCOP. ②



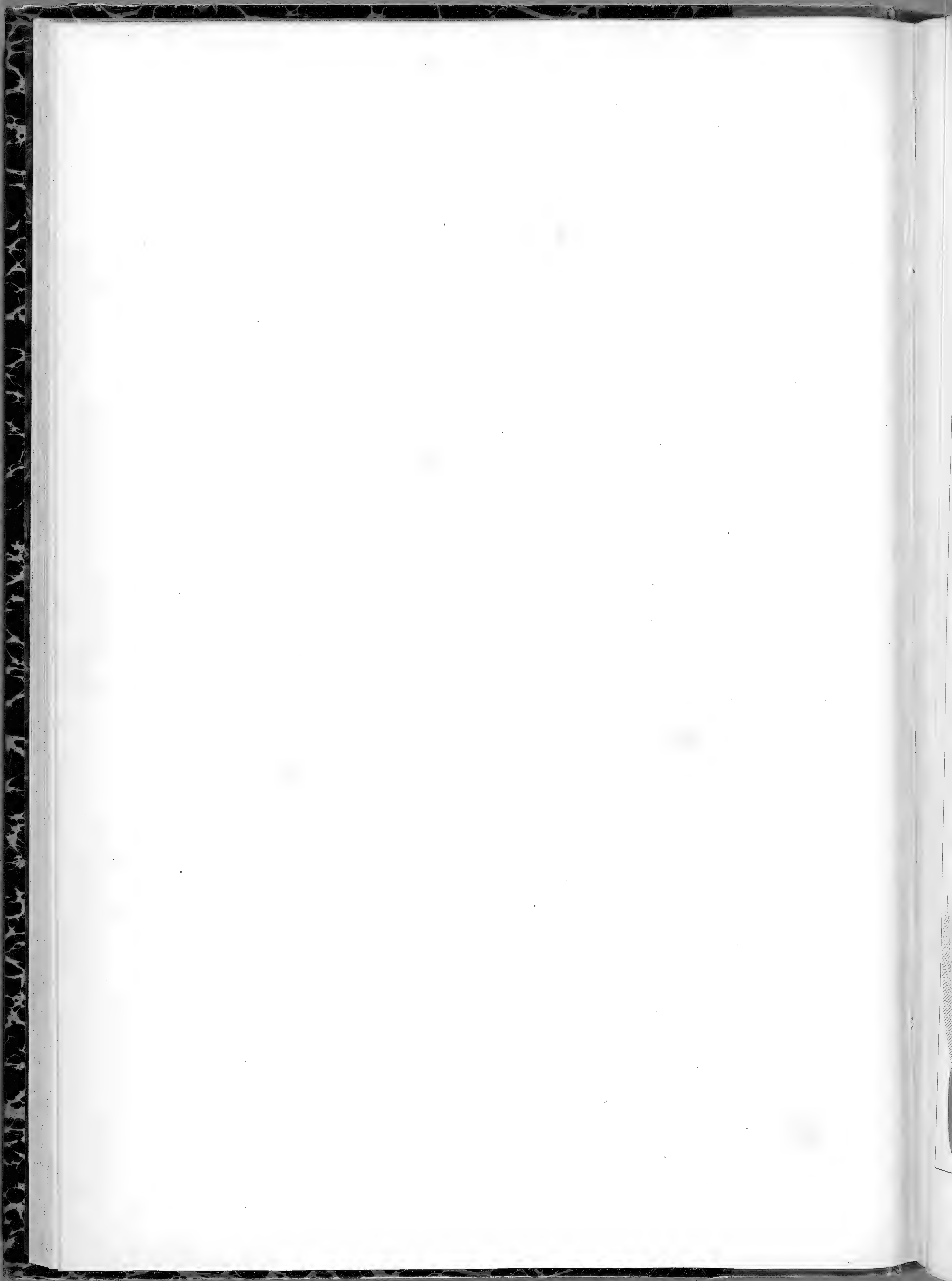






C. PALUSTRE . SCOP. ② Var. torpacea .



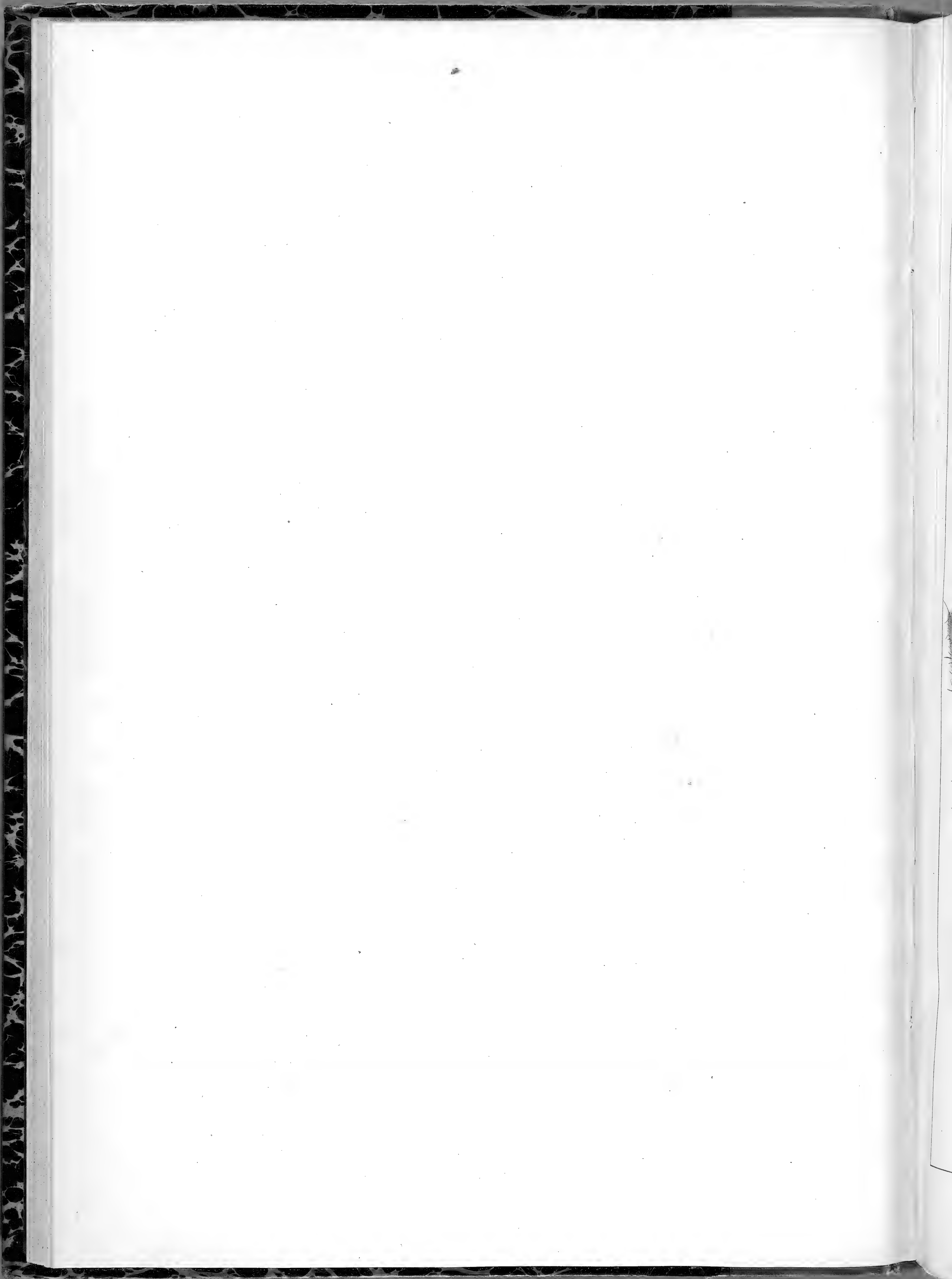






C. MONSPESSULANUM. ALL. 7







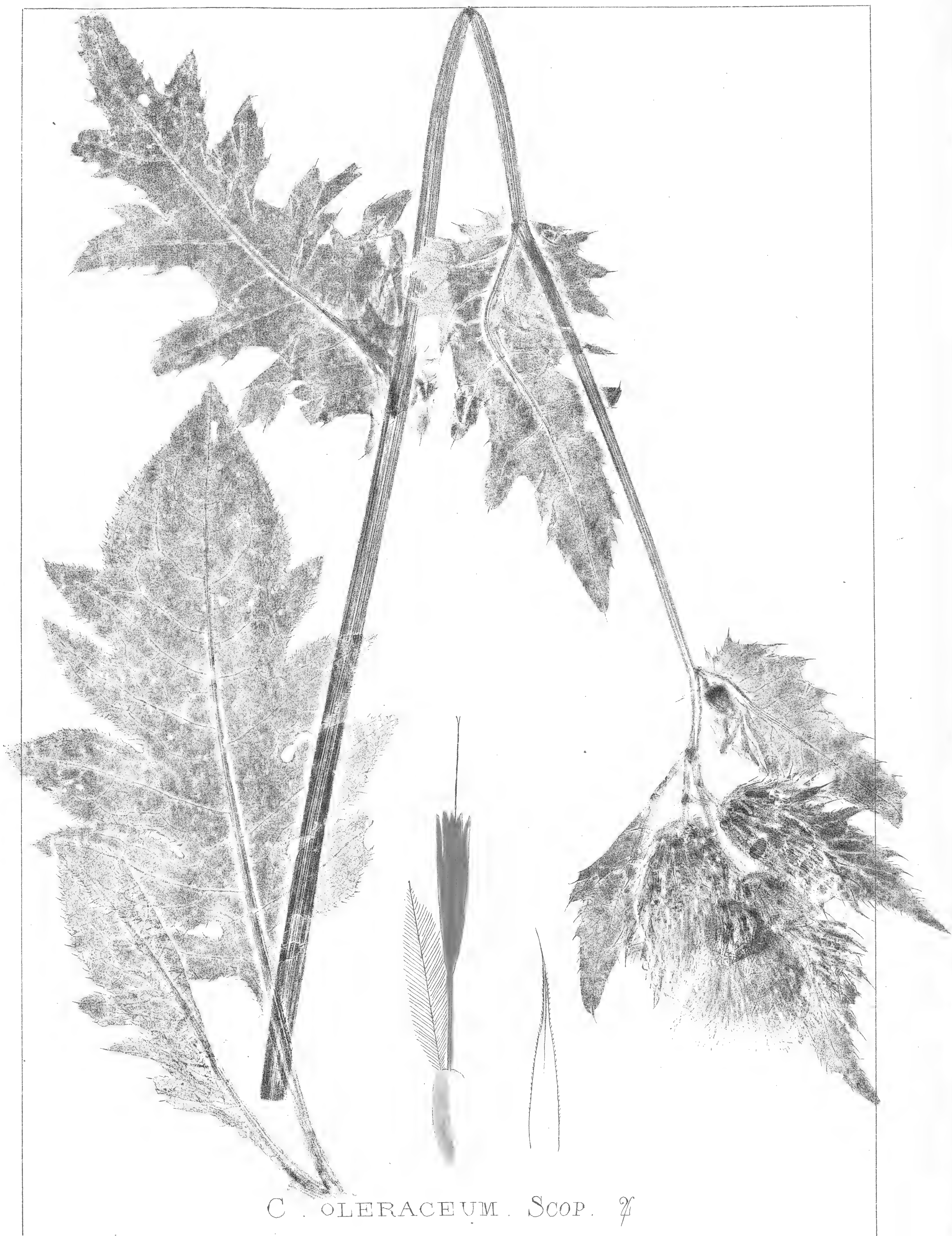


C. MONSPESSULANUM. ALL. *Var. pyrenaica*



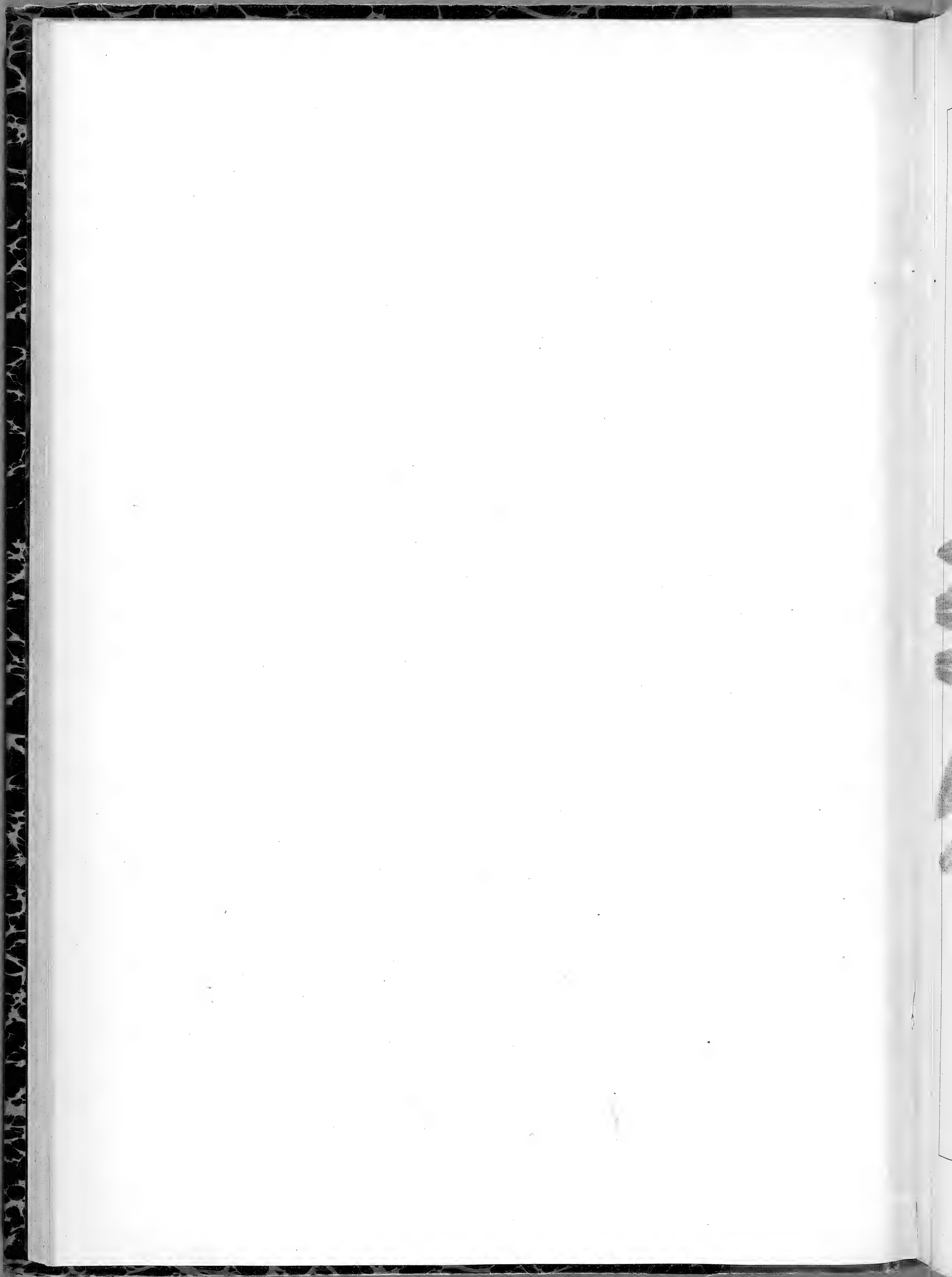






C. OLERACEUM. SCOP. 7









*C. OLERACEUM* . SCOP. ♀ *Var. pinnatifida* .



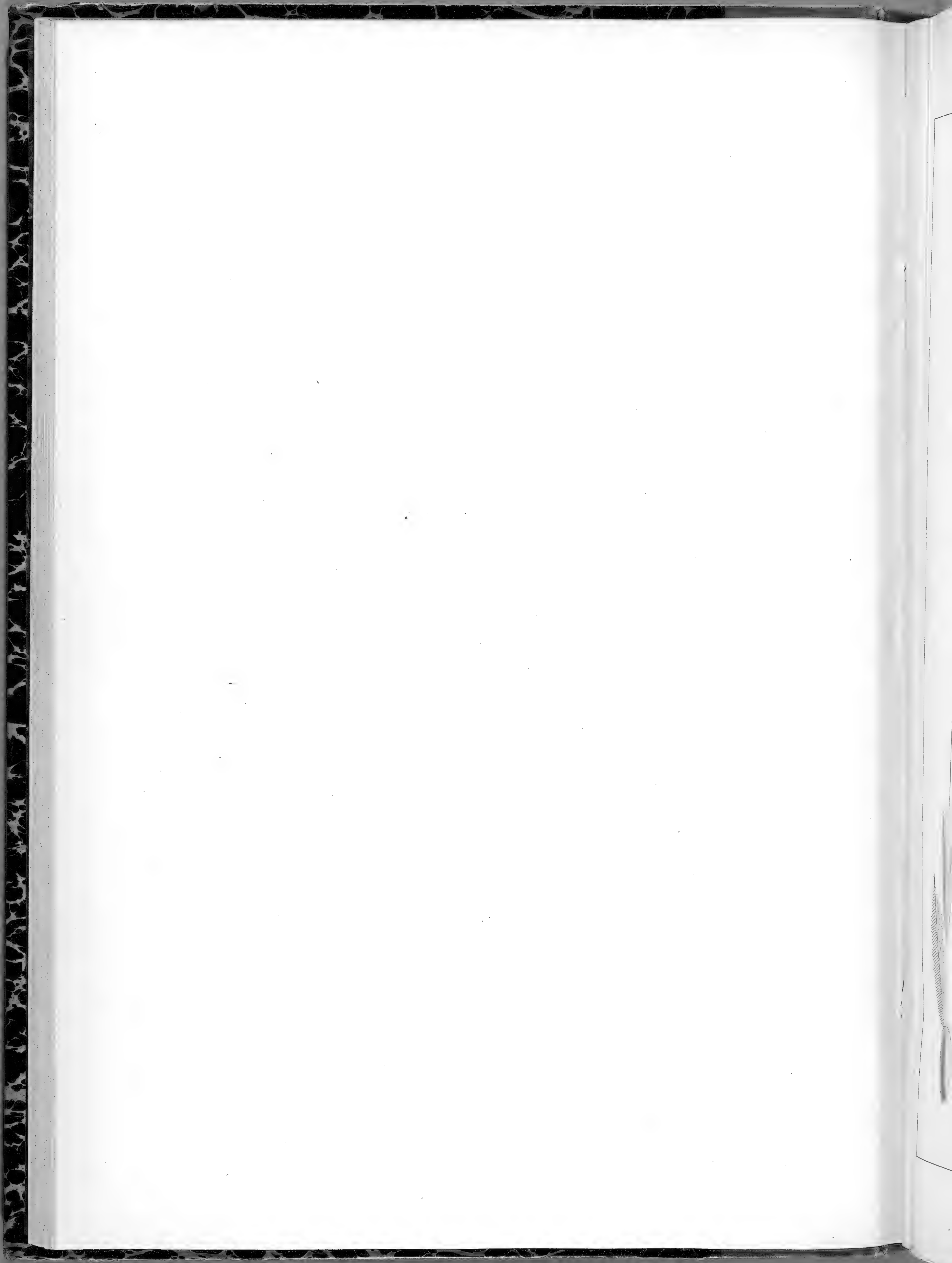






C. RIVULARI-OLERACEUM. NÆG. 2









C. OLERACEO-RIVULARE. NÆG. 7



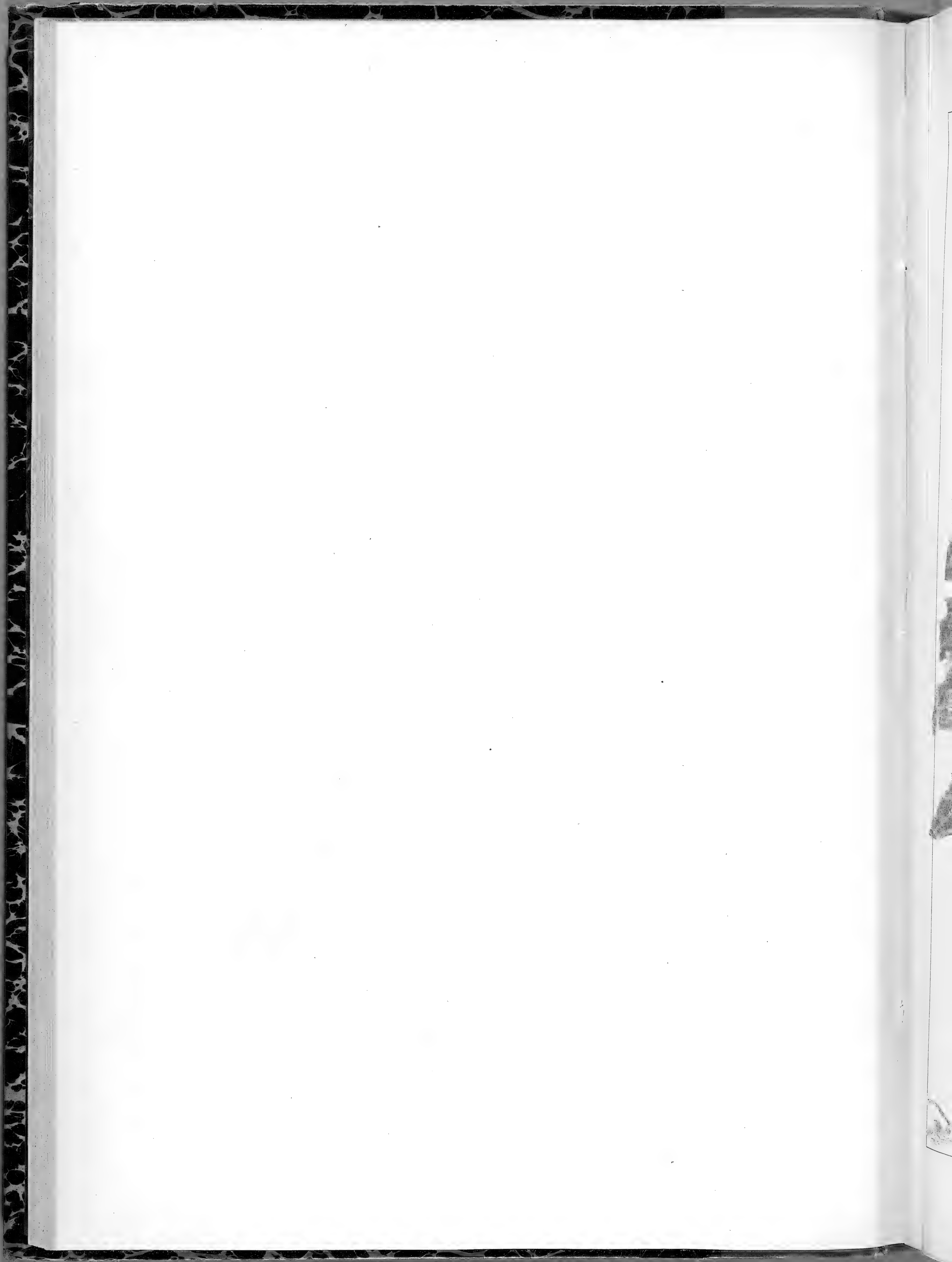




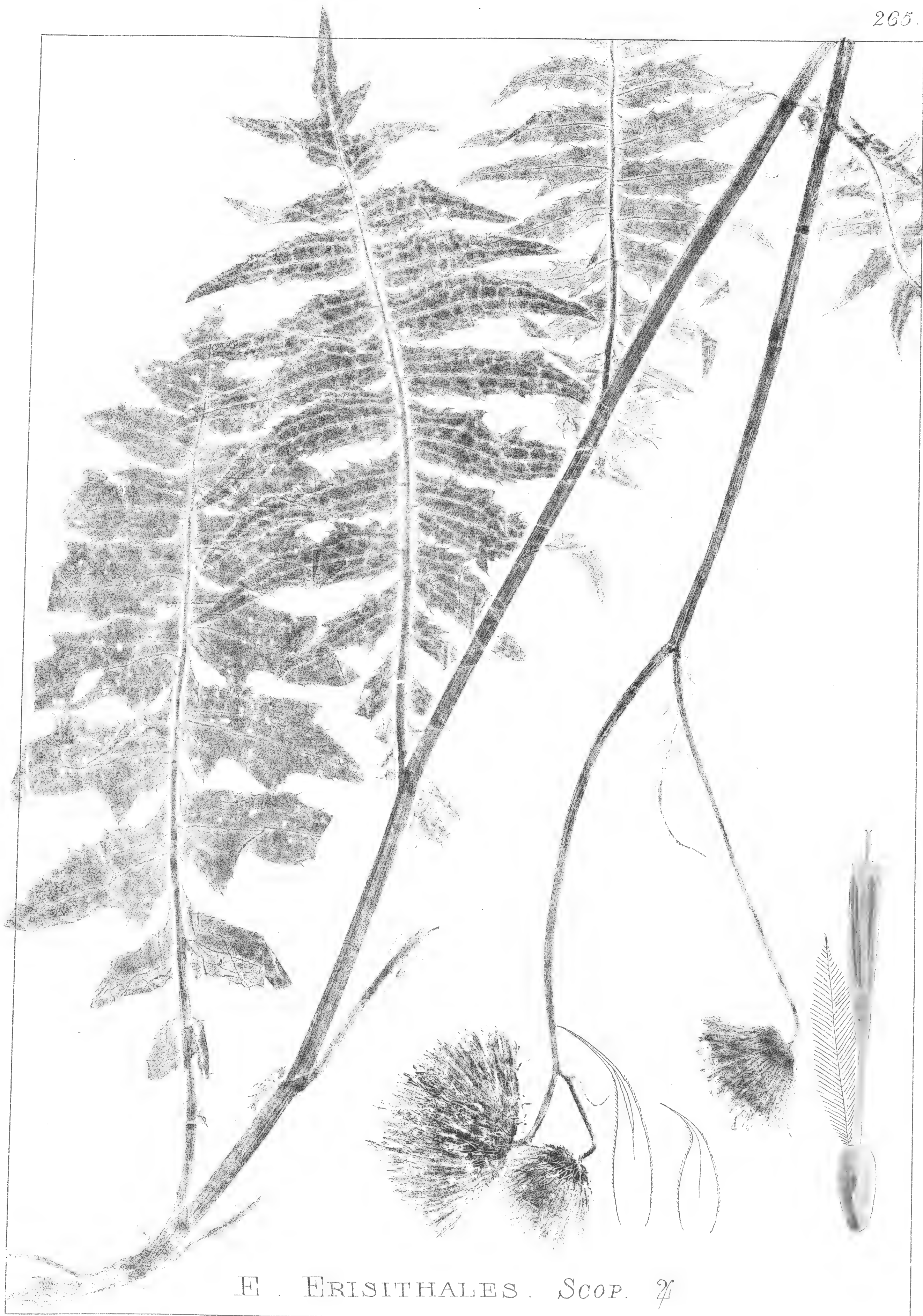


C OLERACEO ERISITHALES. 2



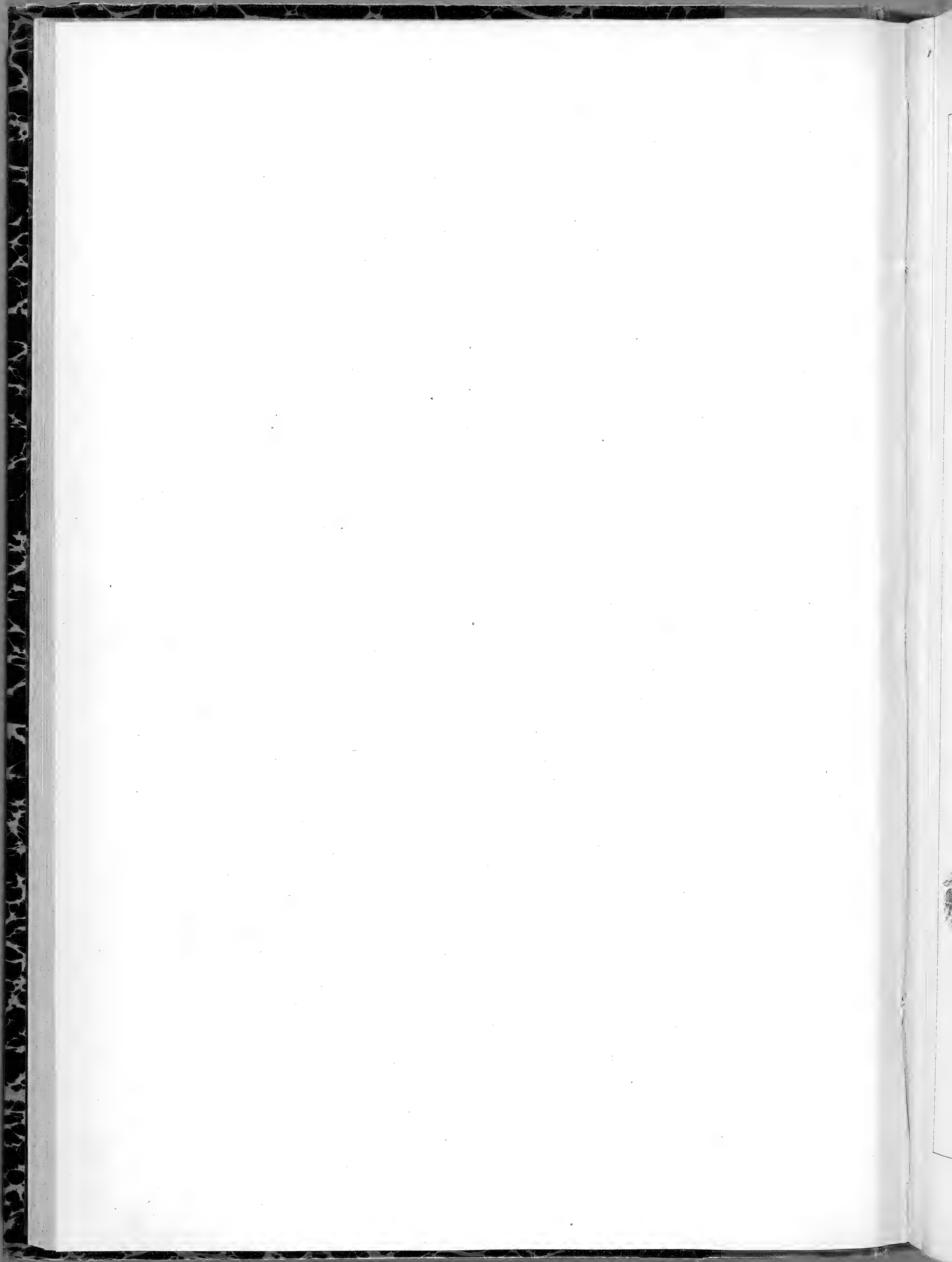






E. ERISITHALES. SCOP. 7









C. BULBOSO-OLERACEUM. NÆGL. 7



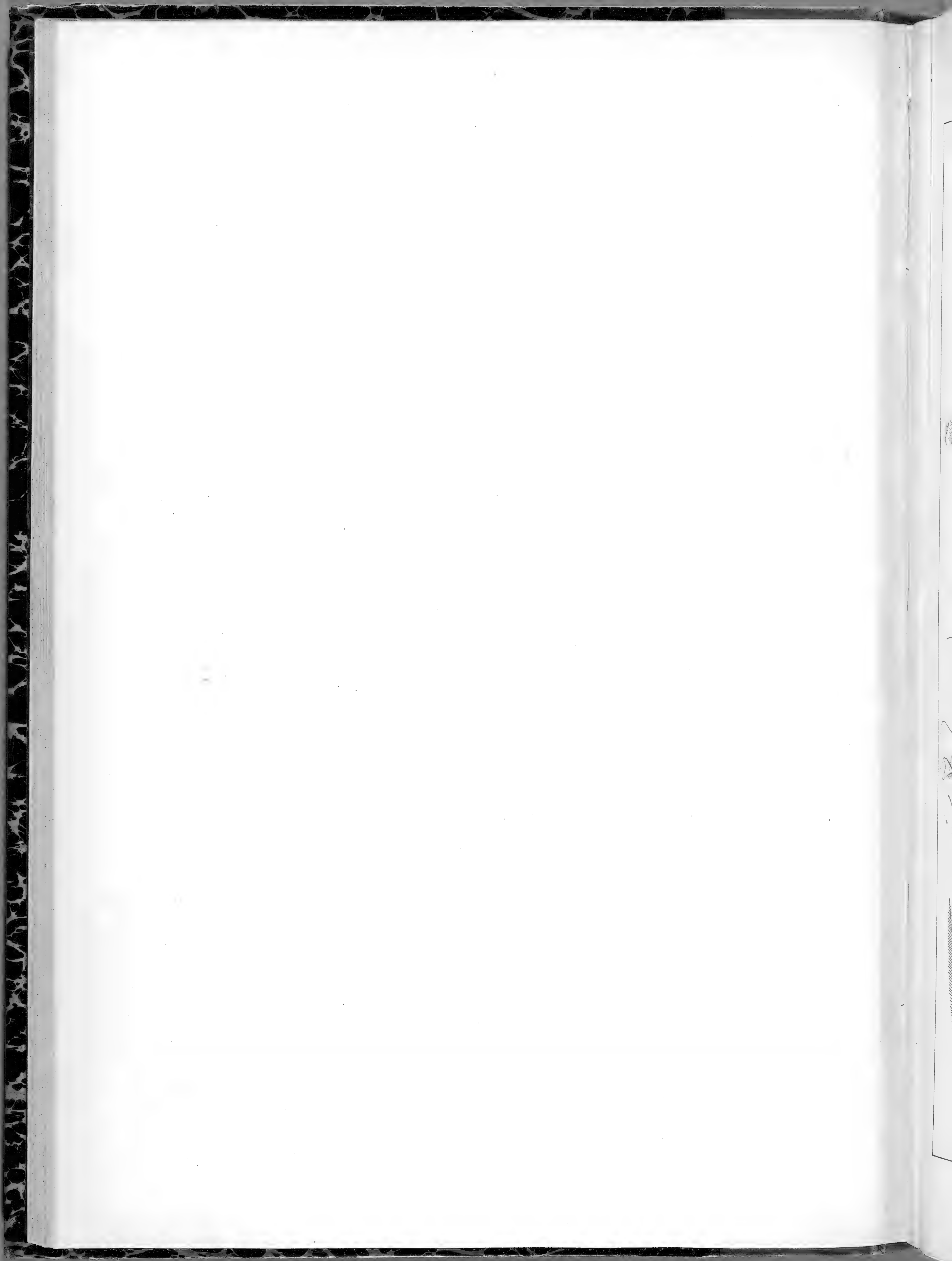






C. BULBOSUM. D. C. 27



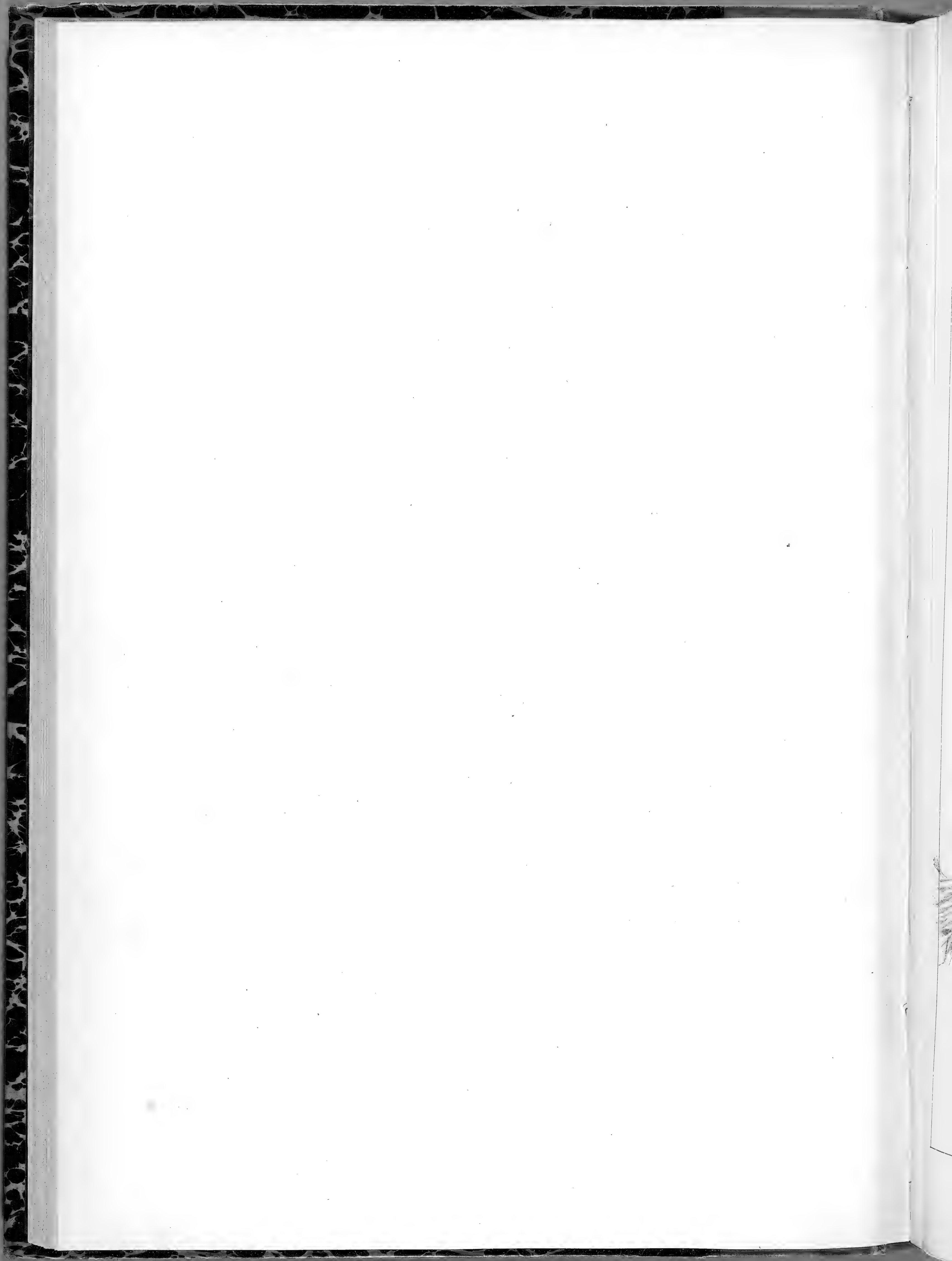






C. ANGLICUM. LOB. 7



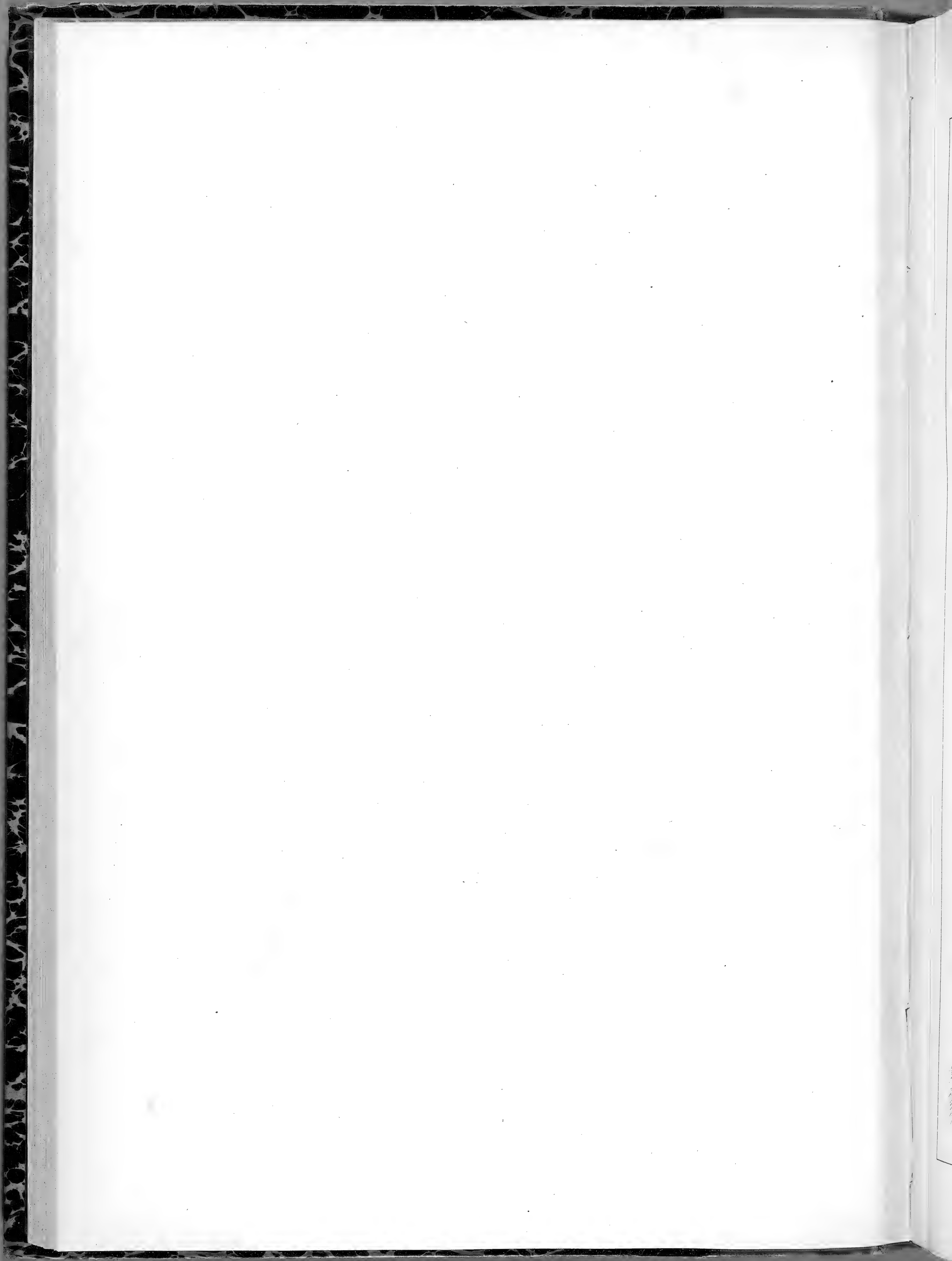






C. RIVULARE. LINK. ♀









*C. RIVULARE* . LINK. *Var. pinnatifida* .



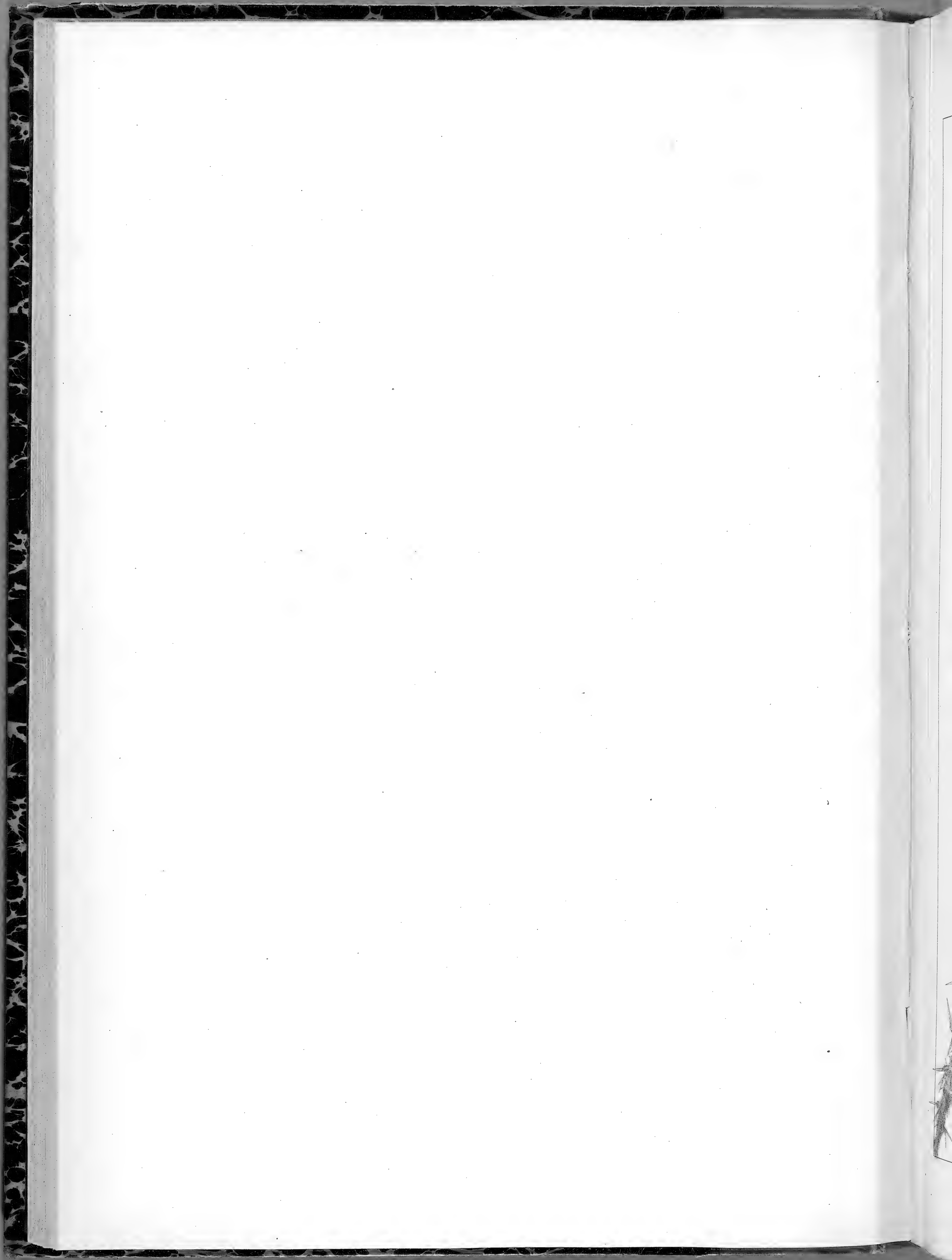






C. SPINOSISSIMUM. SCOP. 7









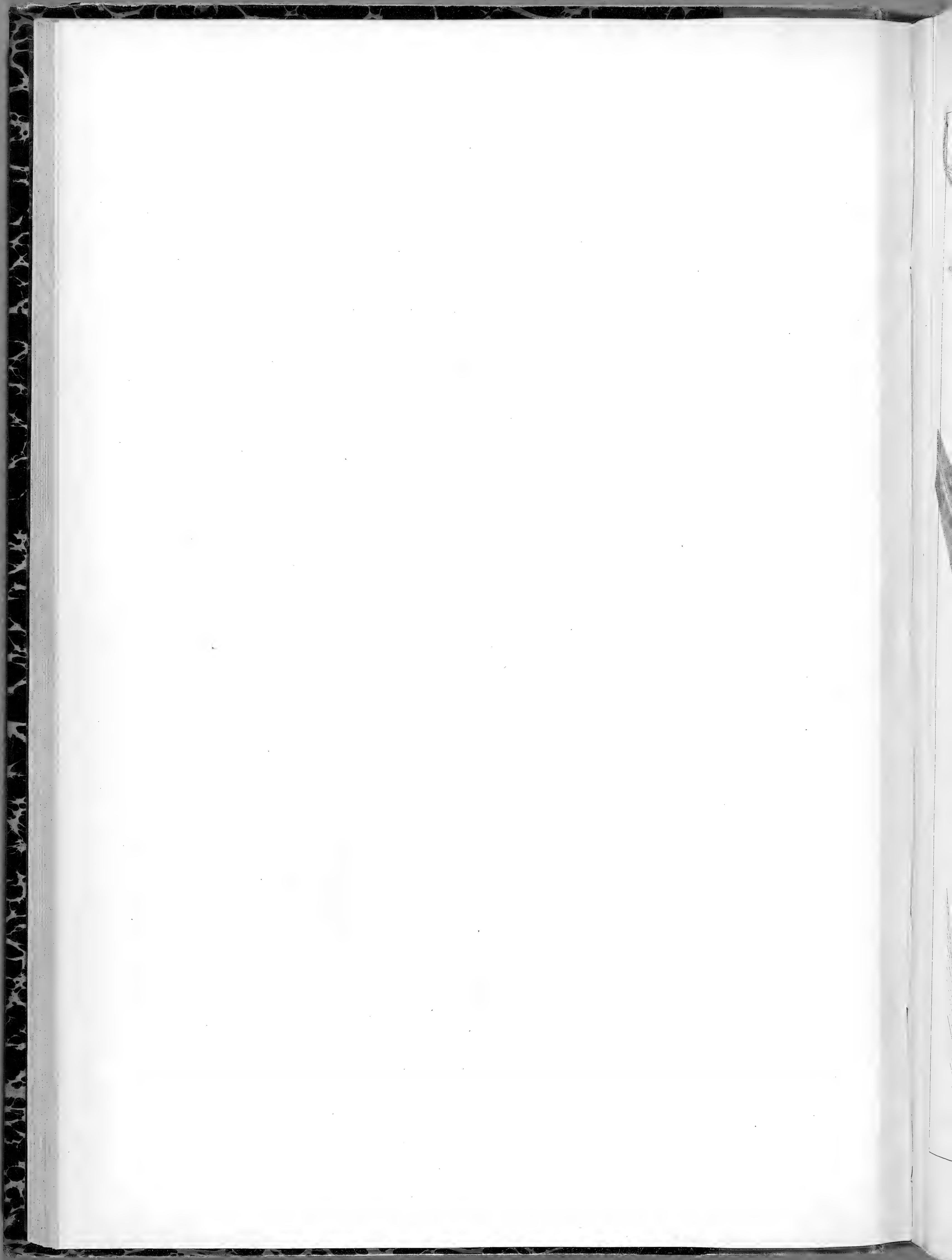
C. GLABRUM. D. C. 7







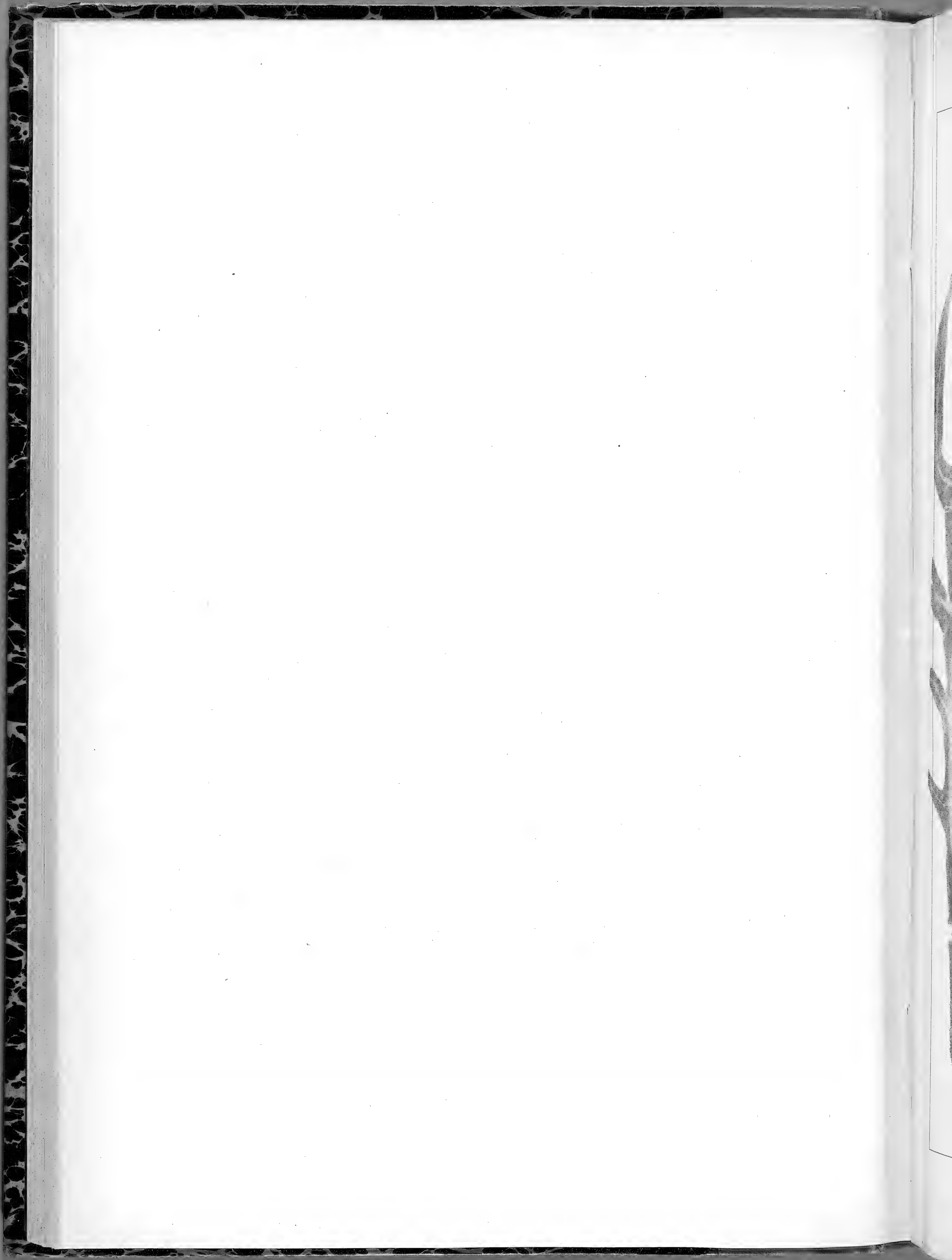
C. SPINOSISSIMUM. HETEROPHYLLUM. GG







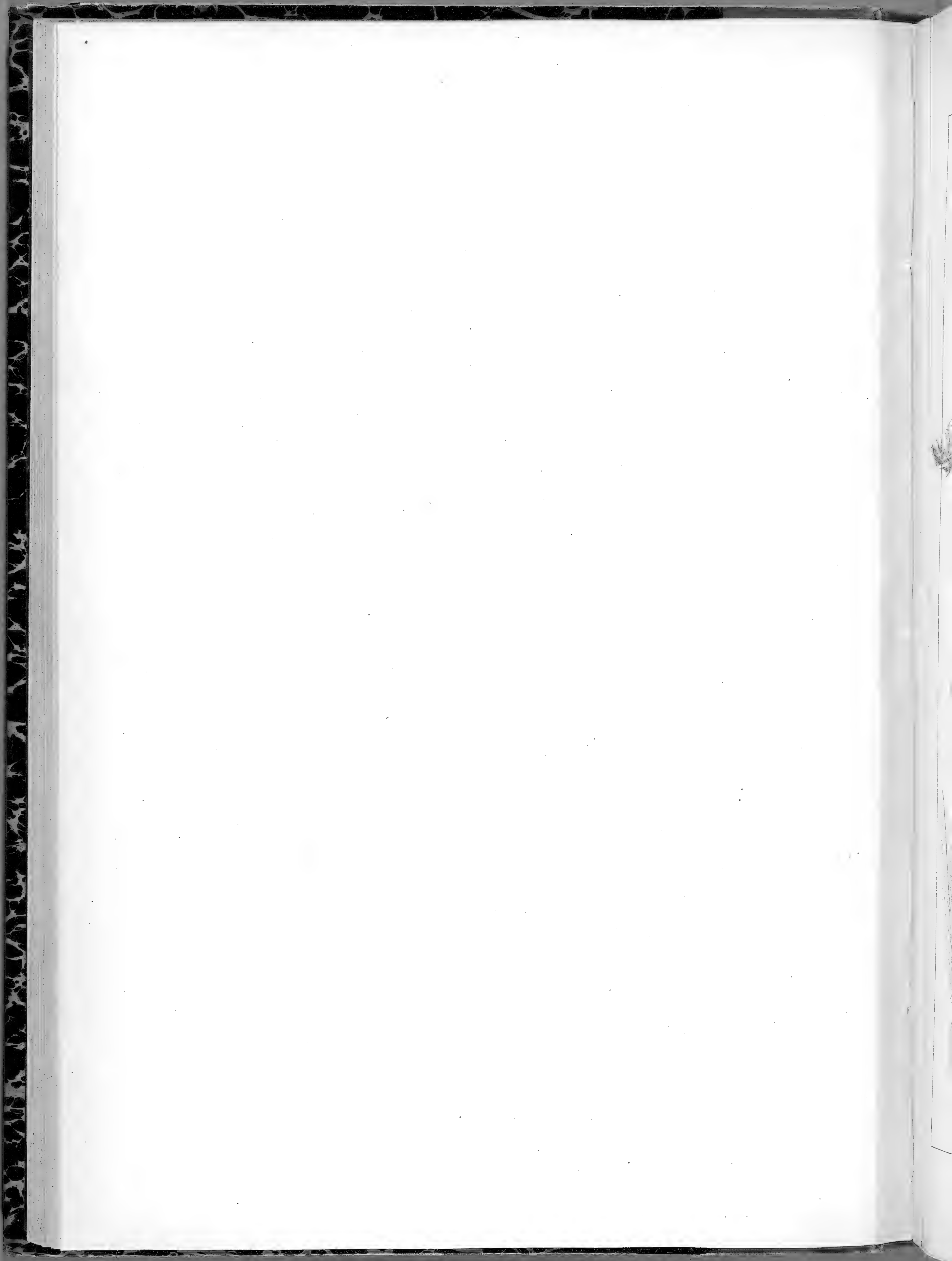
C. HETEROPHYLLUM. ALL. 7



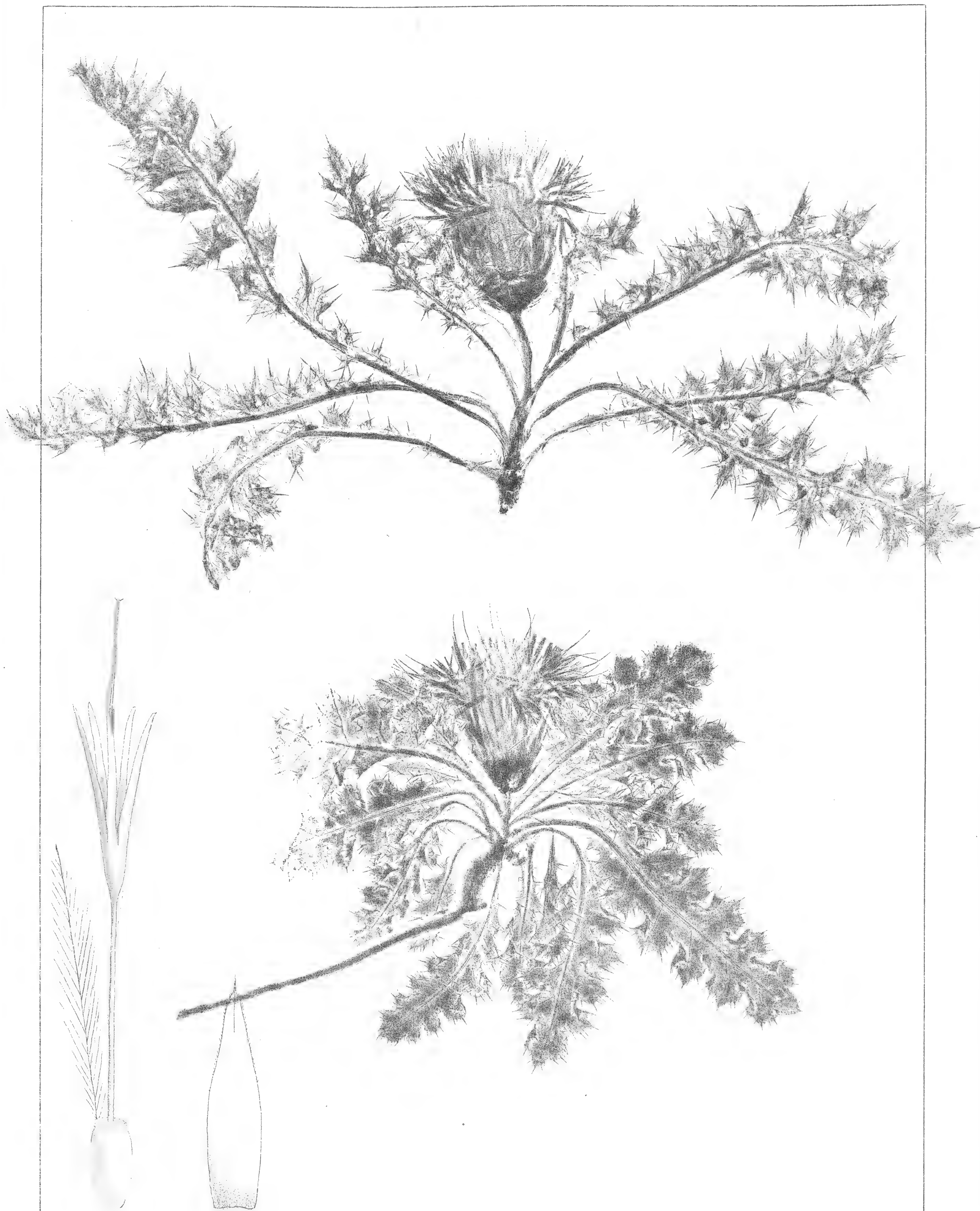




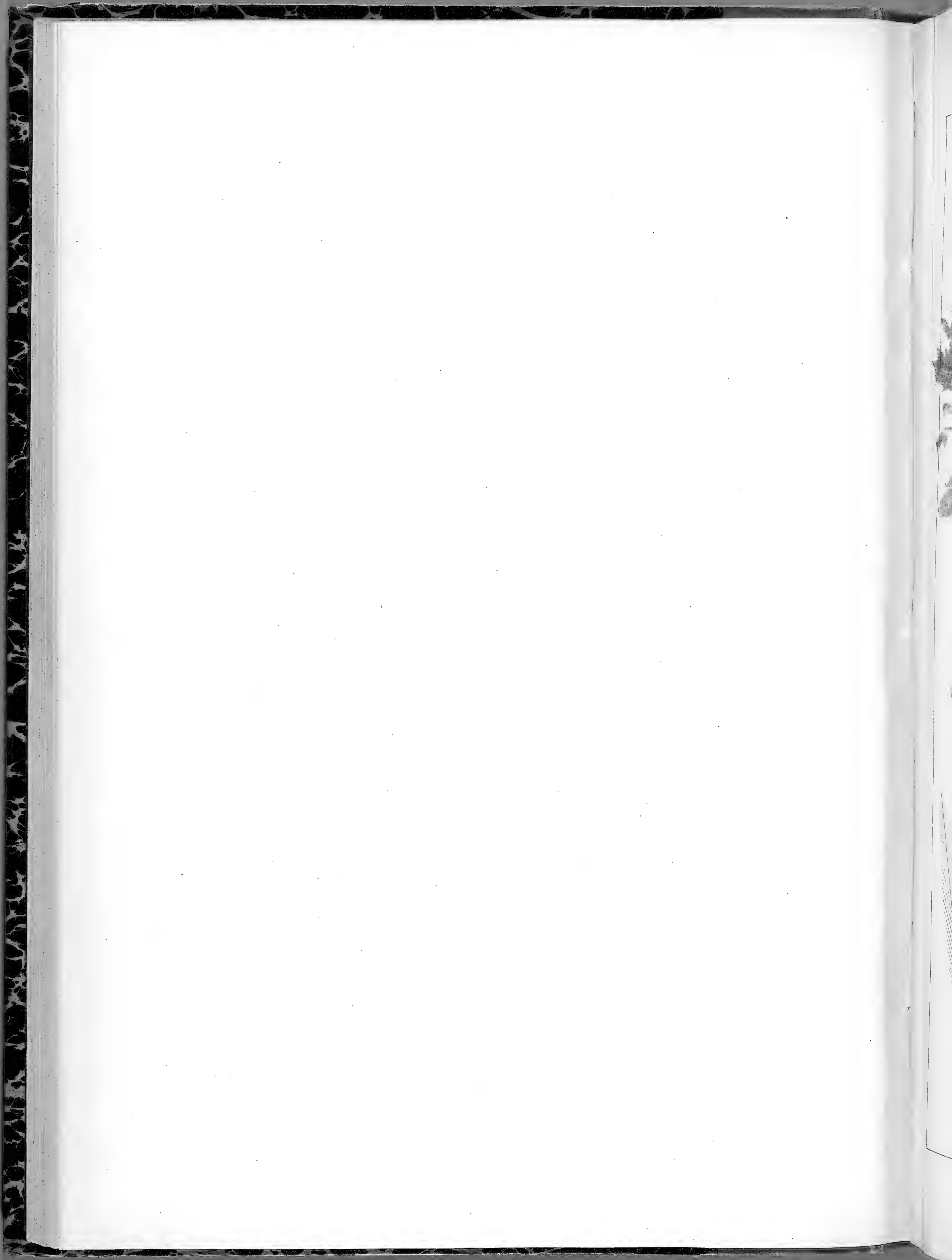
C. HETEROPHYLLUM. ALL. Var. helenioides.







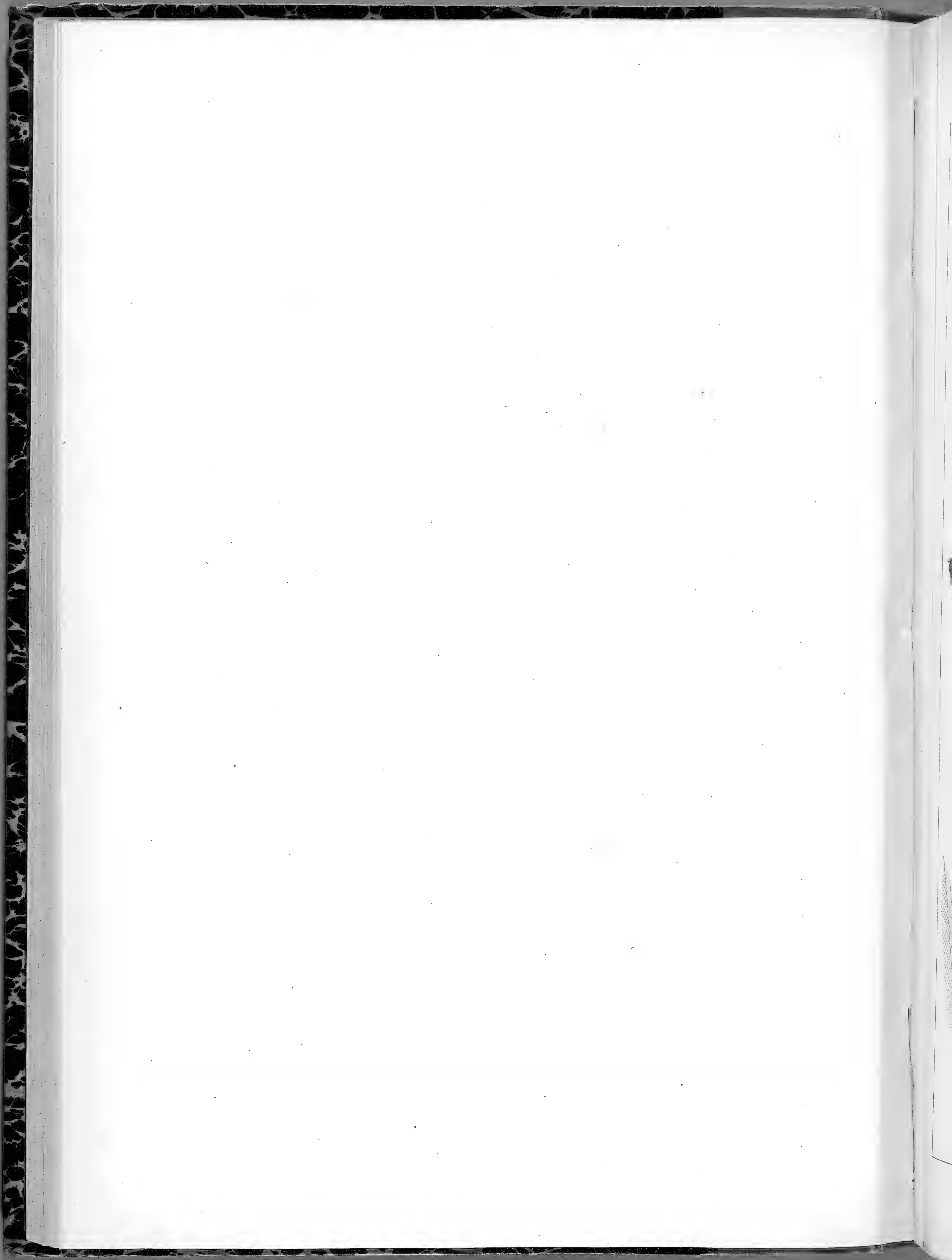
C. ACAULE. ALL. 2







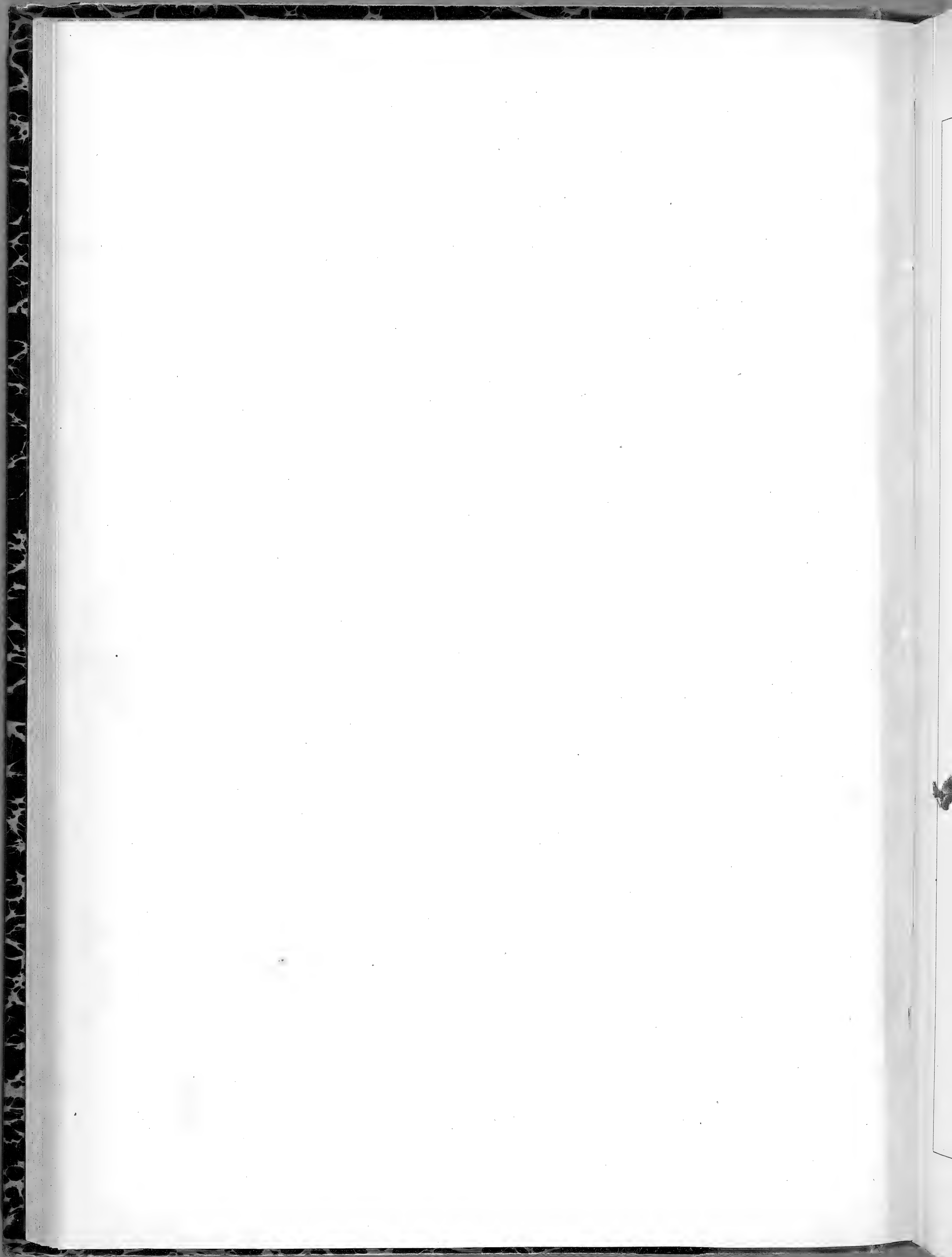
C. BULBOSO-ACAULE. NÆG. 2







C. OLERACEO-ACAULE. HAMP. 2

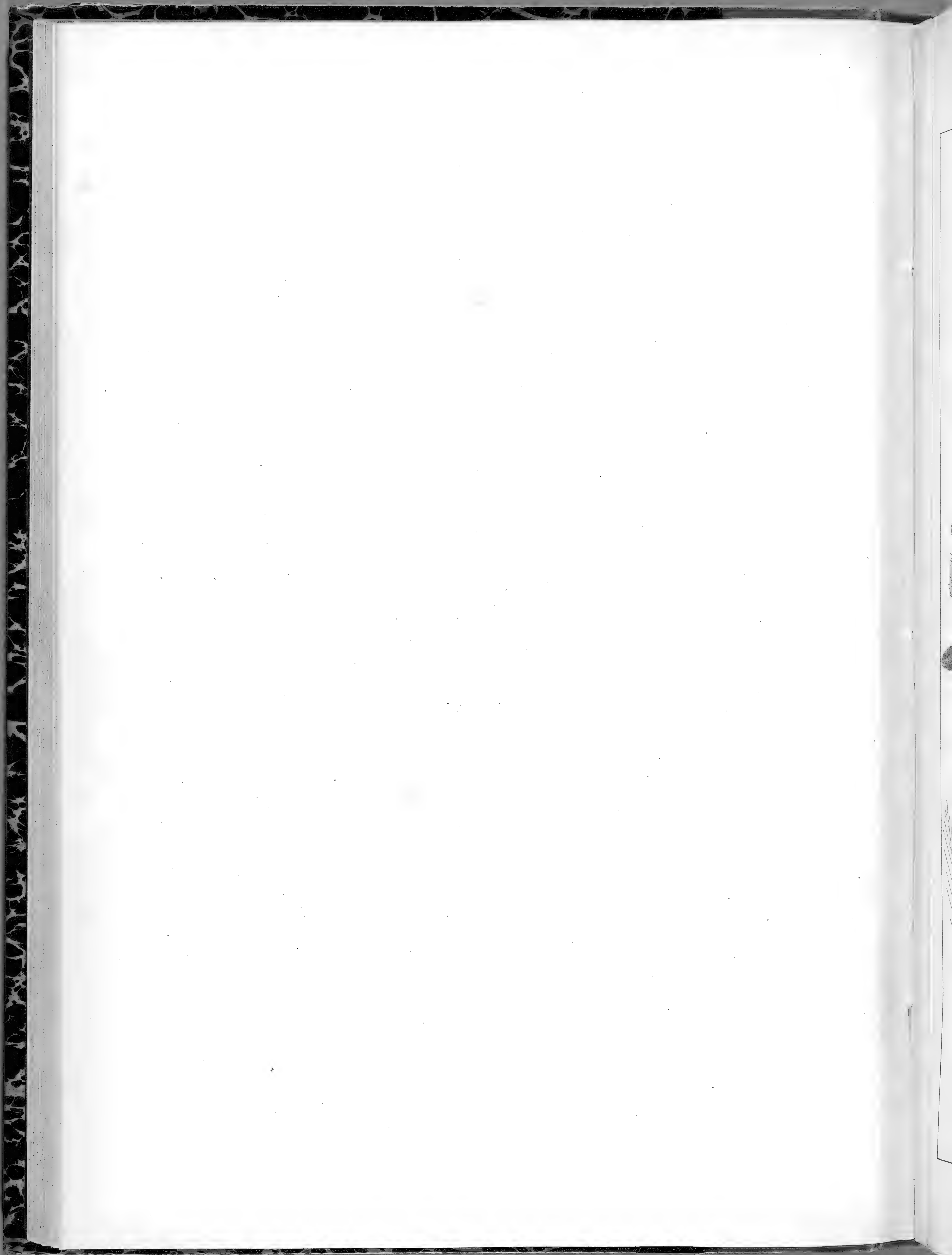






C. ARVENSE. SCOP. ♀

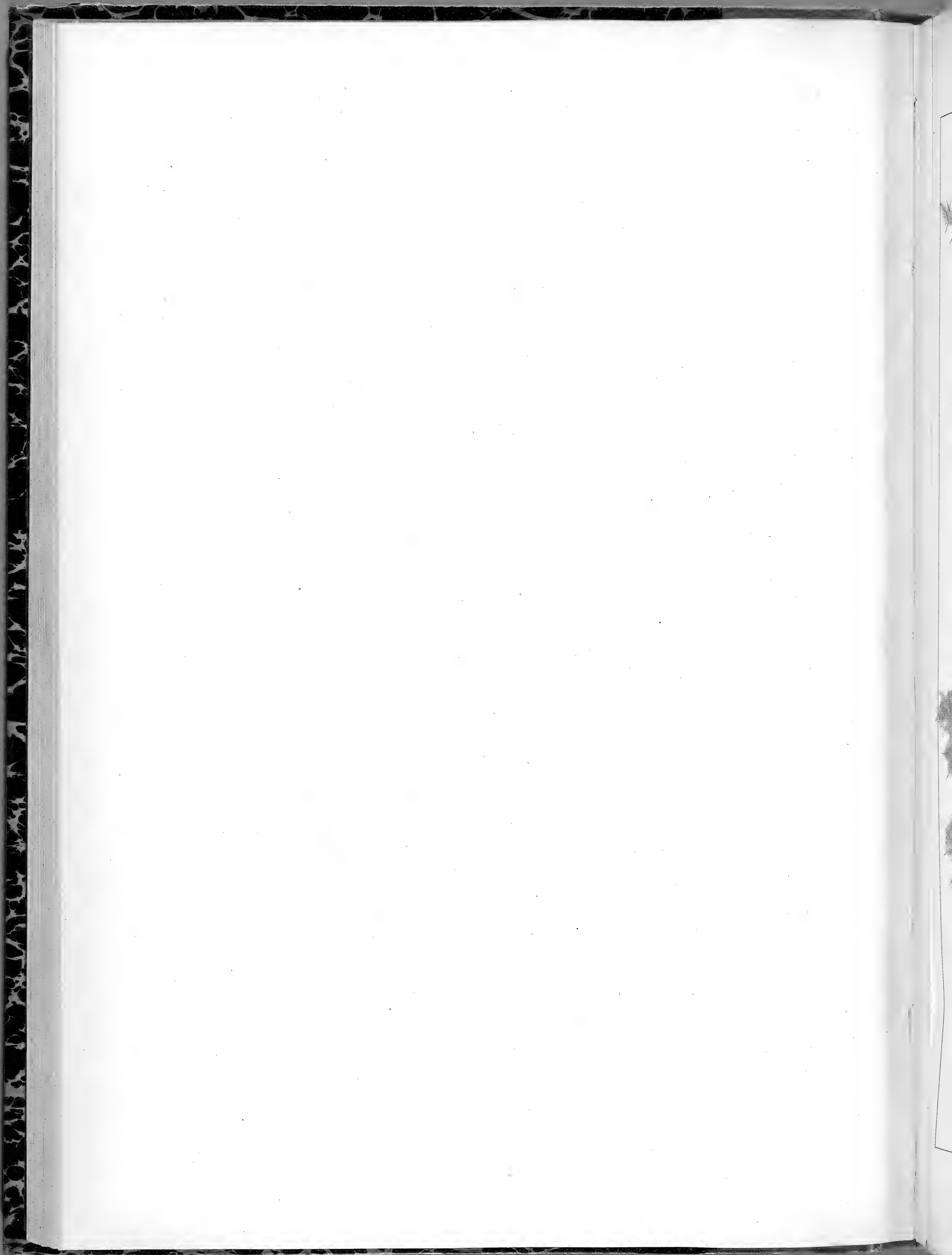








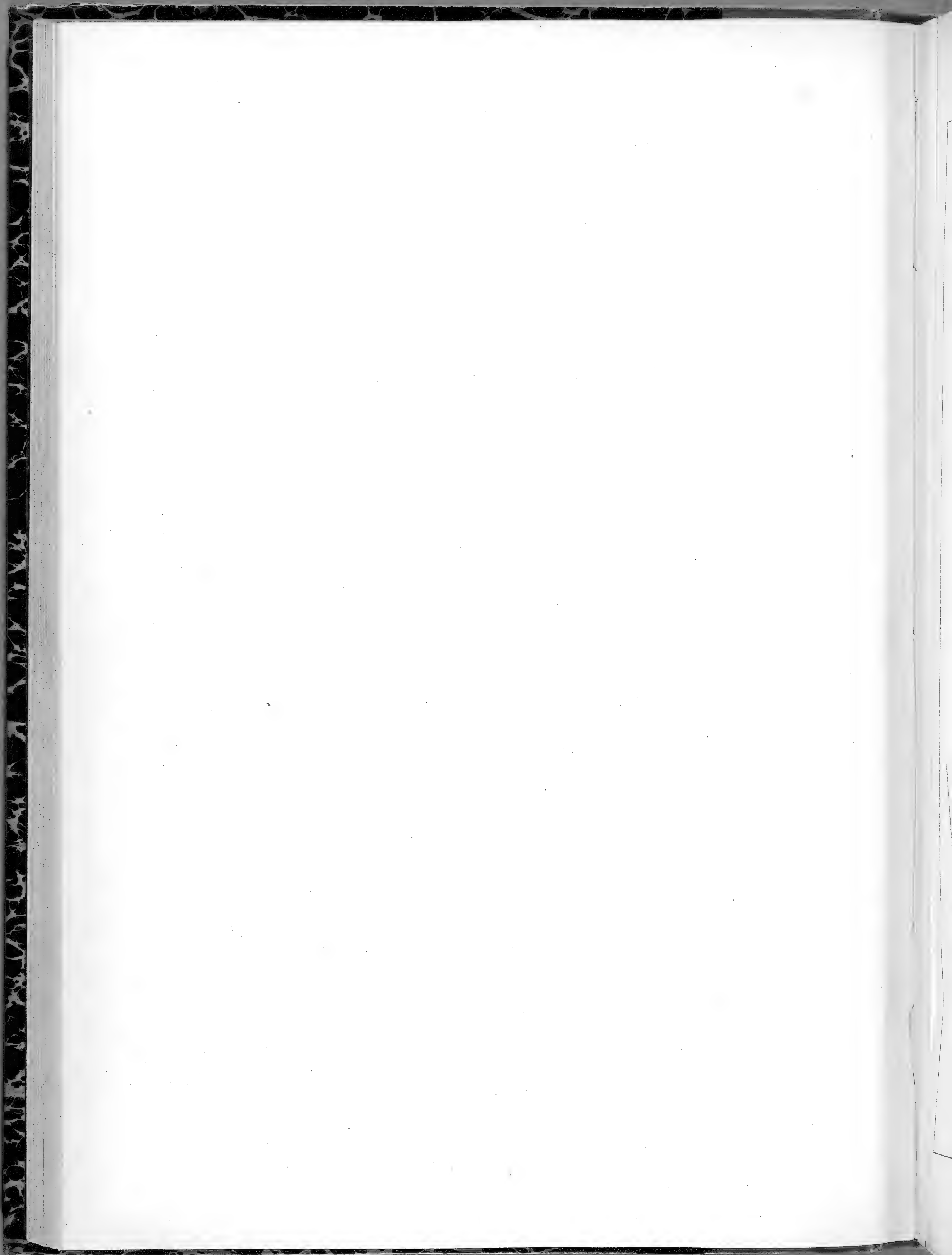
C. SETOSUM. BIEB. 7







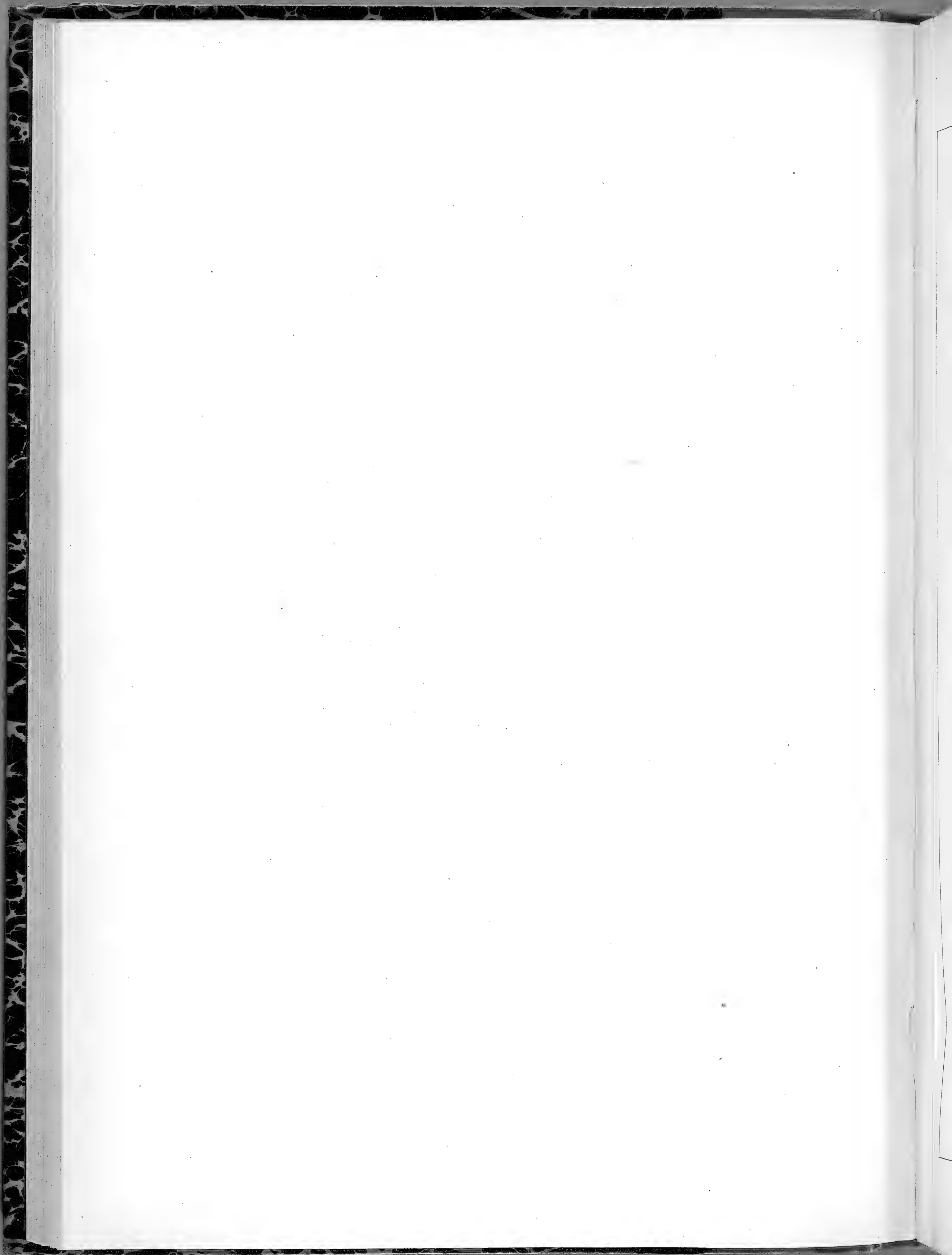
CARDUUS TENUIFLORUS . CURT . ① ②







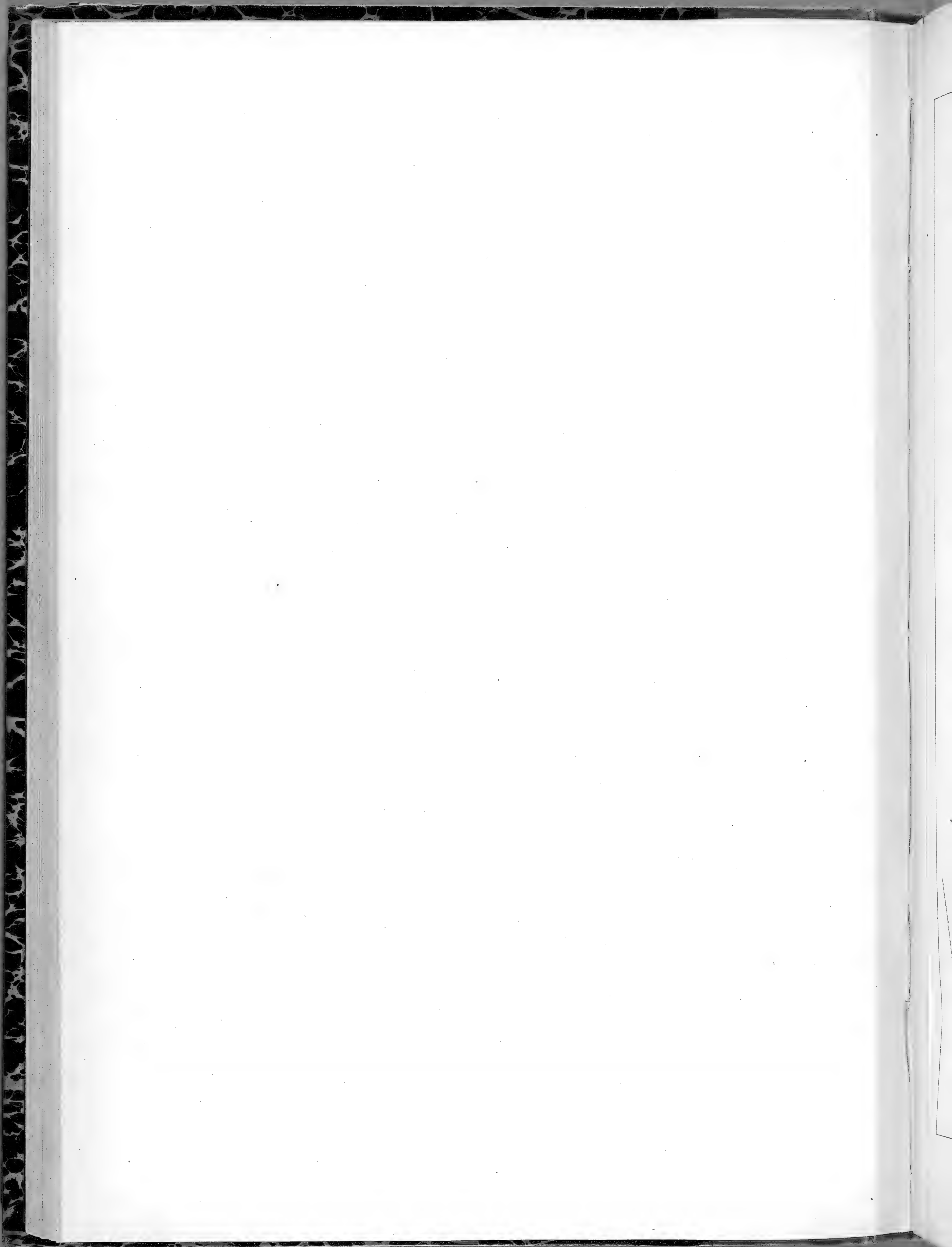
C . PYCNOCEPHALUS . L . ① ②





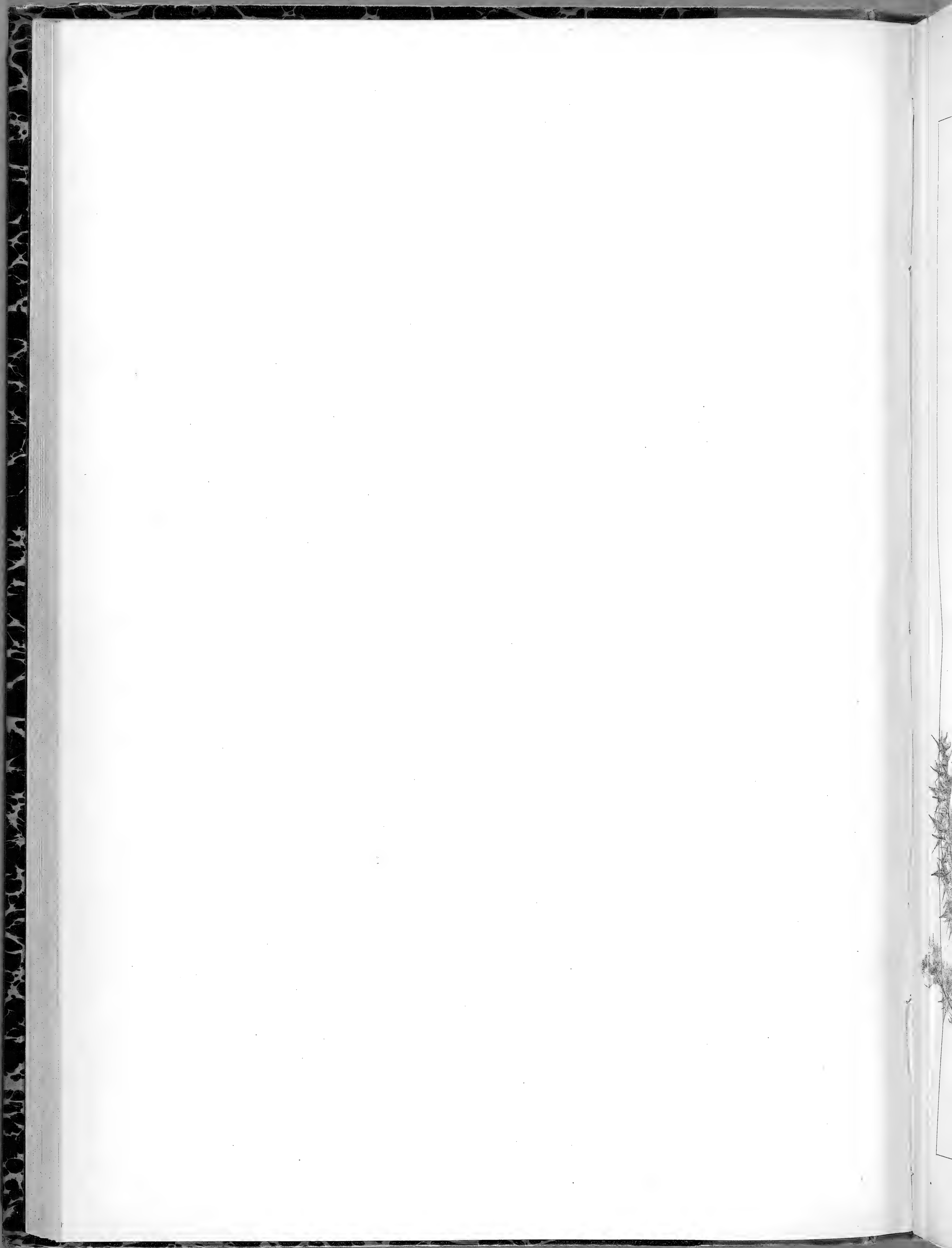


C. ACICULARIS. BERT. ① ②





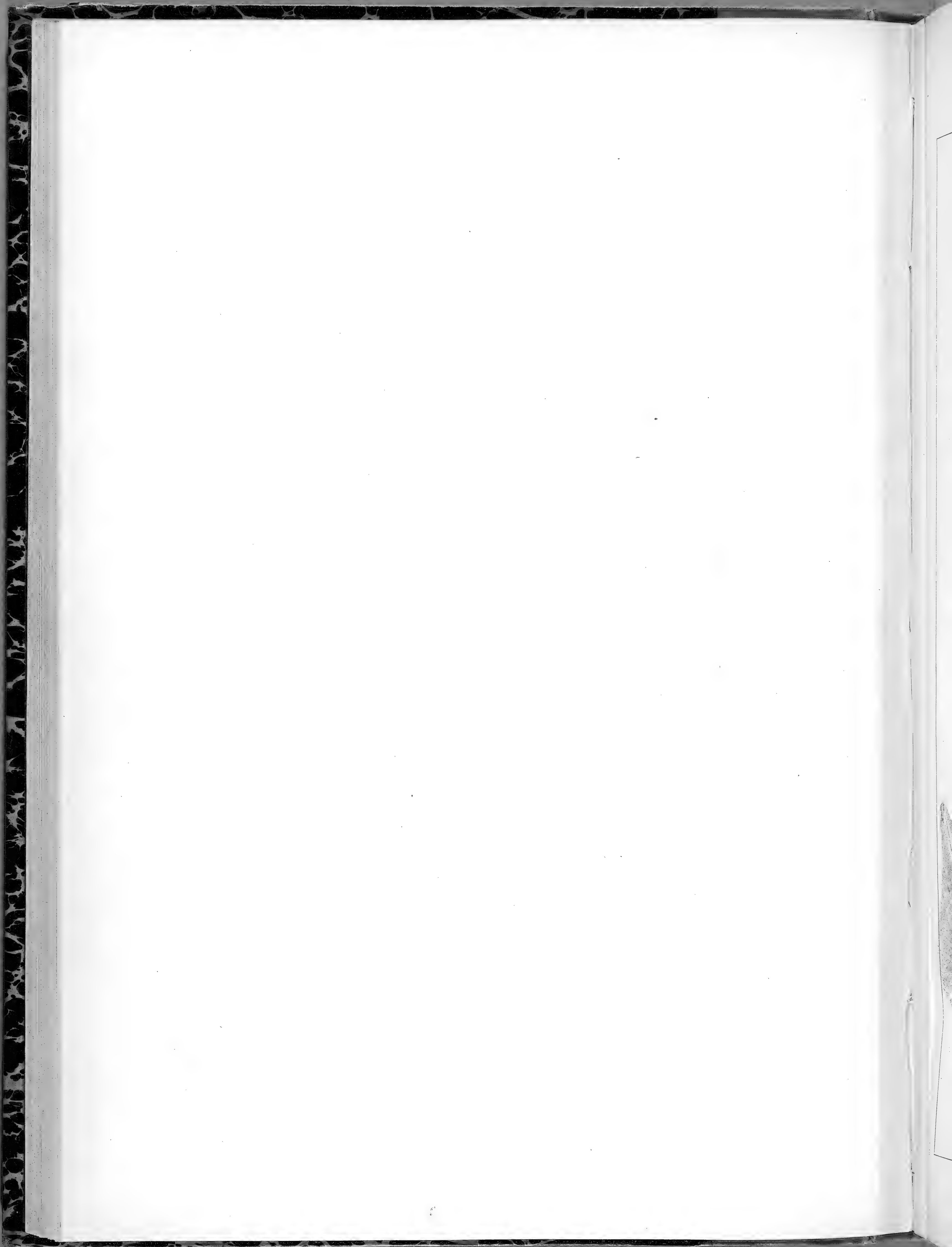








C. FASCICULIFLORUS. *Viv.* ②



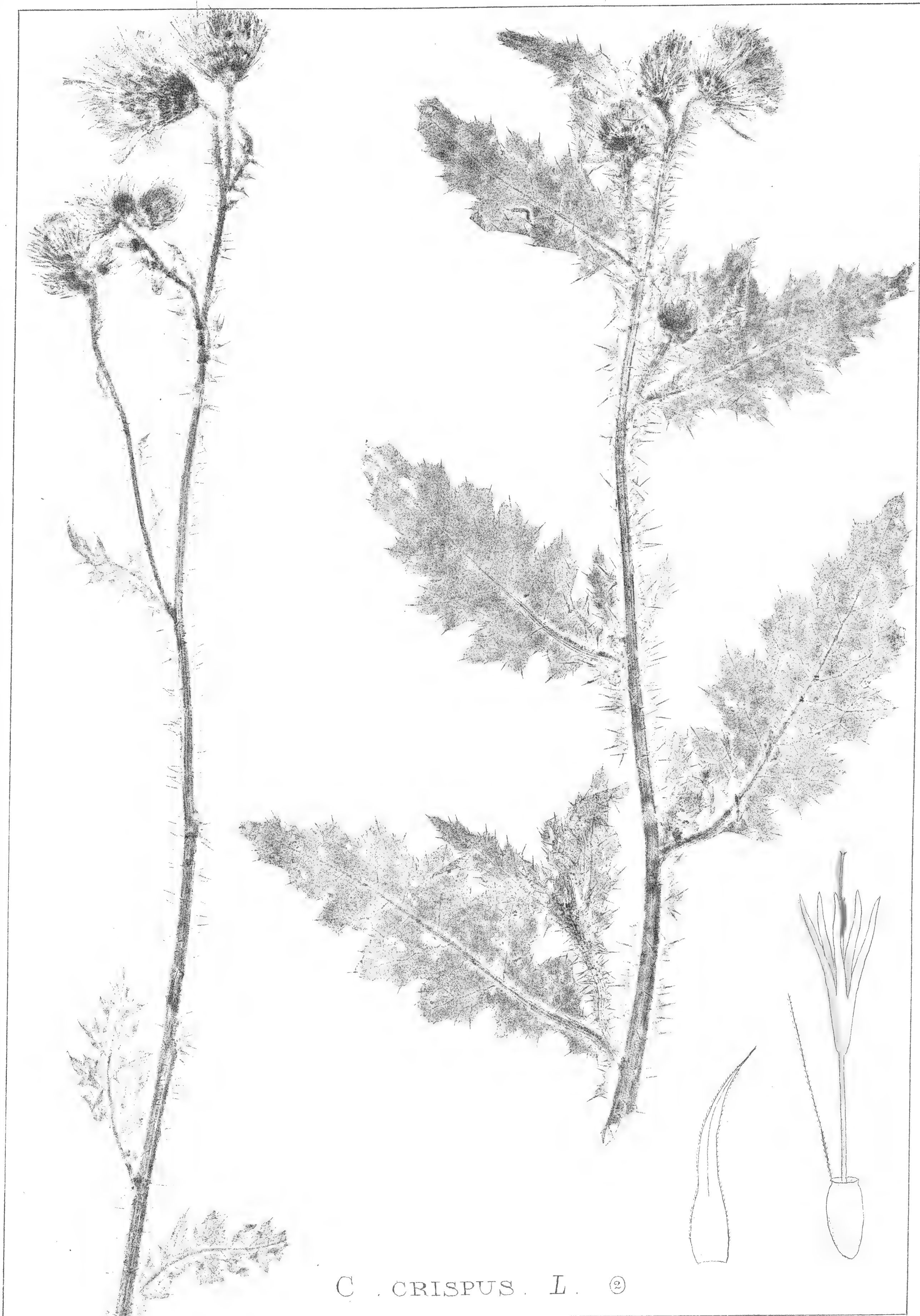




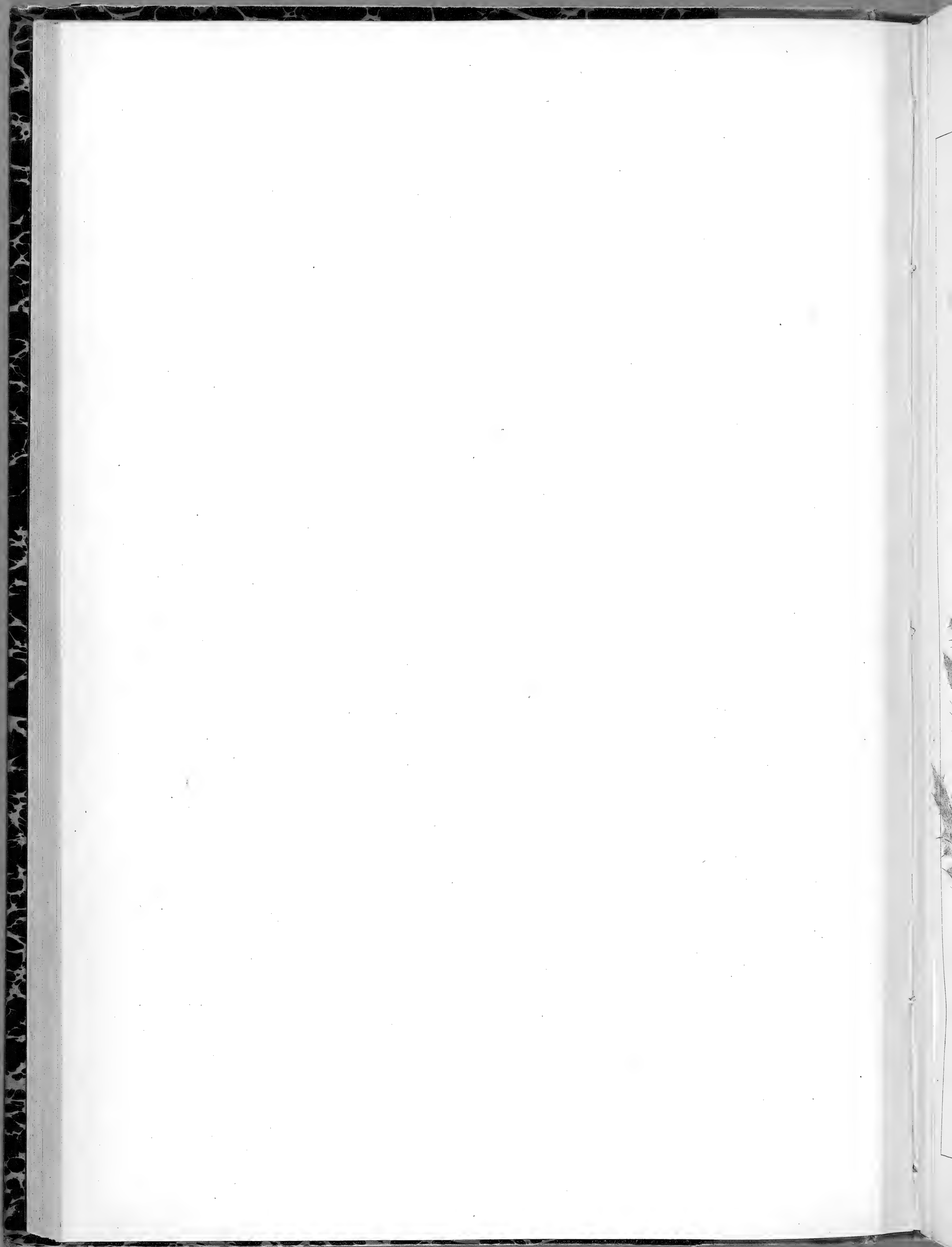
C. PERSONATA. JACQ. *Æ*



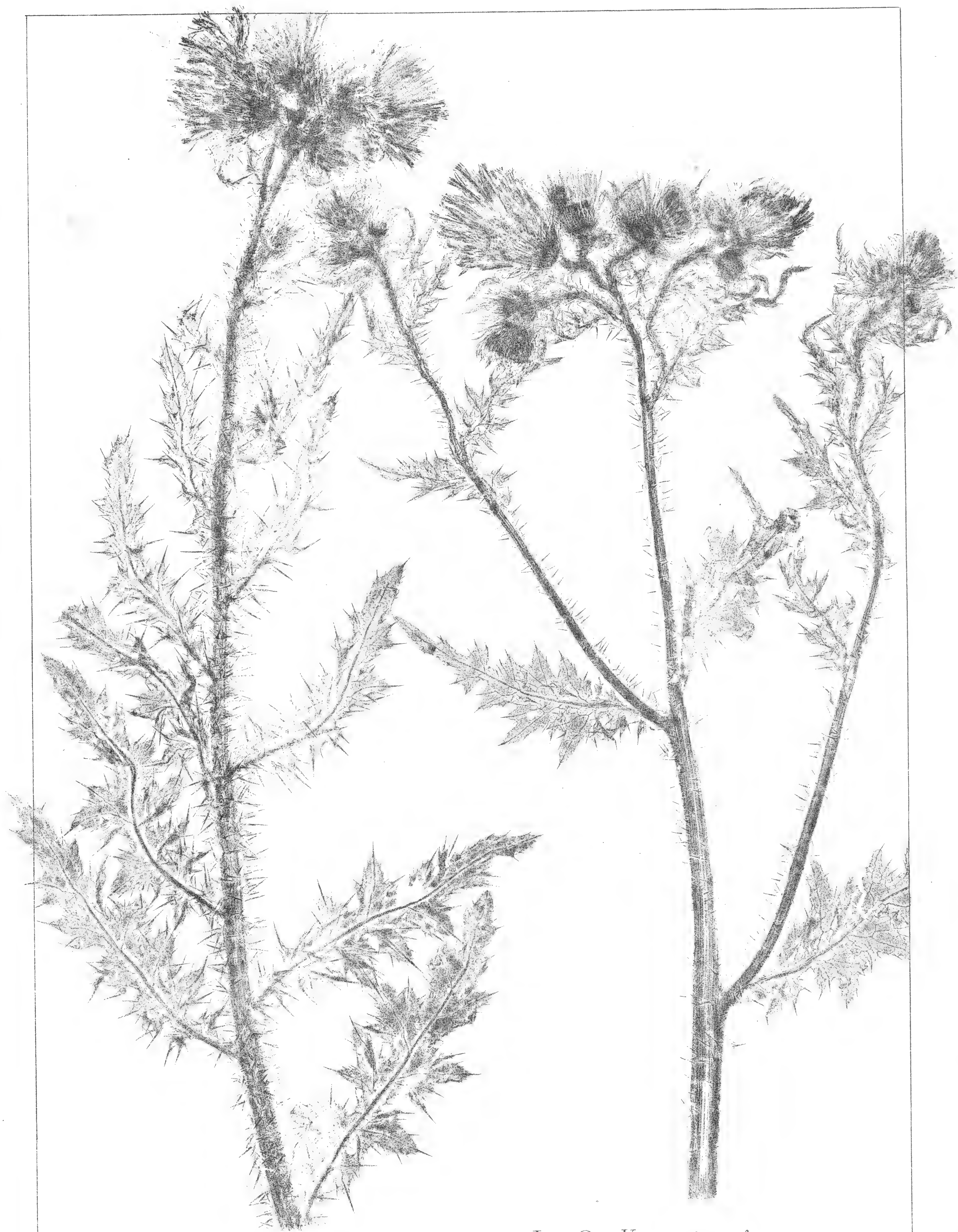




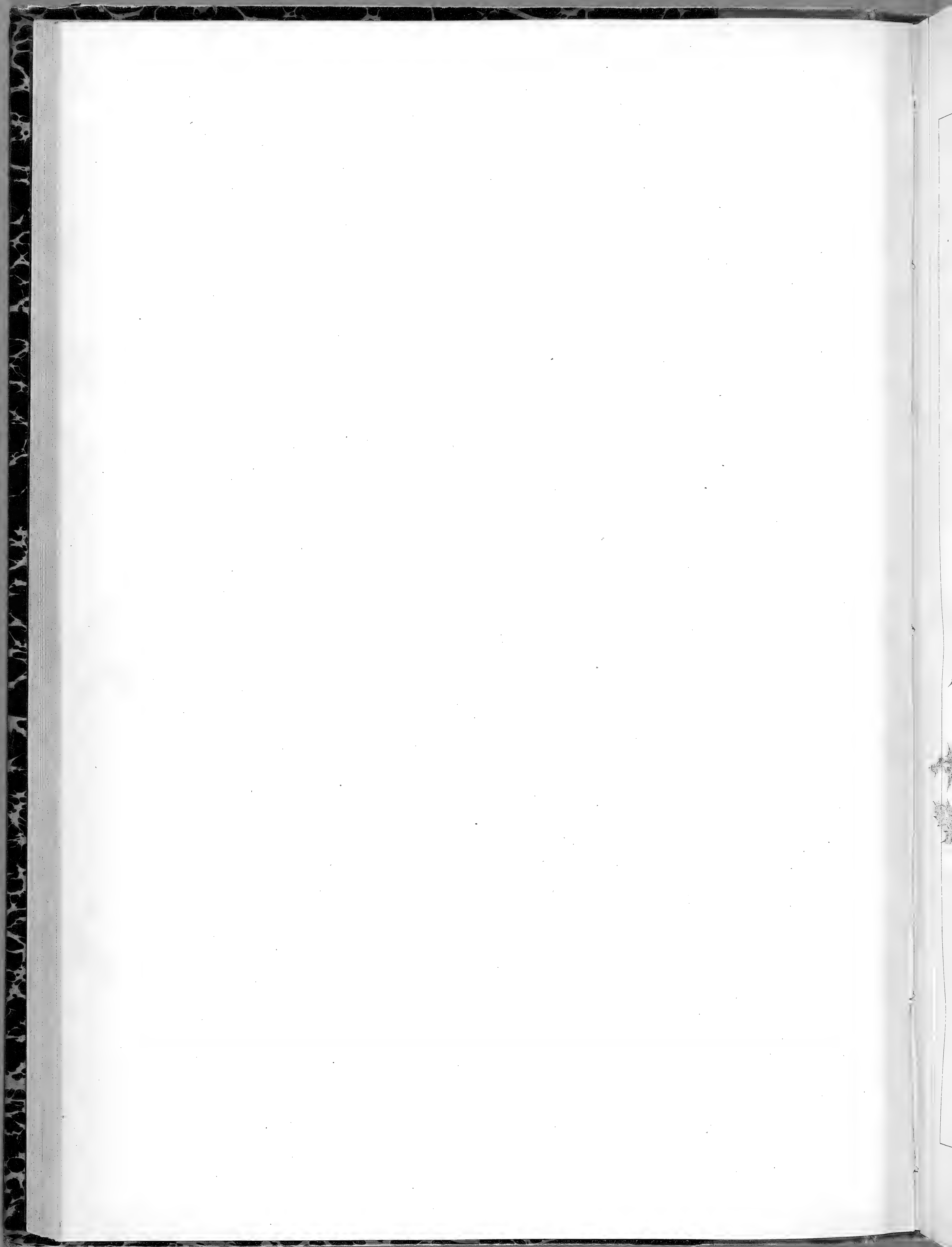
C. CRISPUS. L. ②







C. CRISPUS. L. ② Var. polyanthemus.

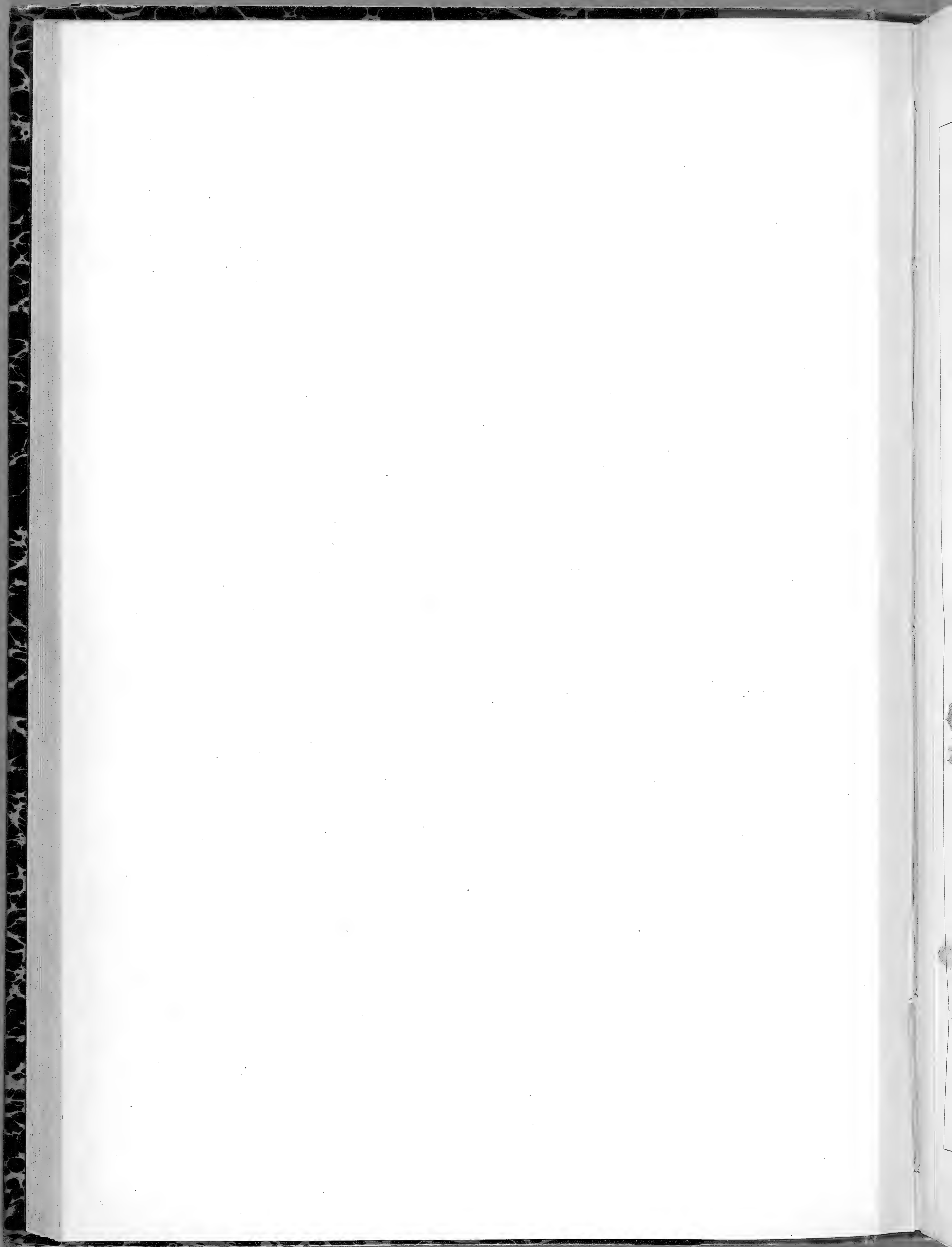






*C. CRISPO-NUTANS* . JORD. ♀

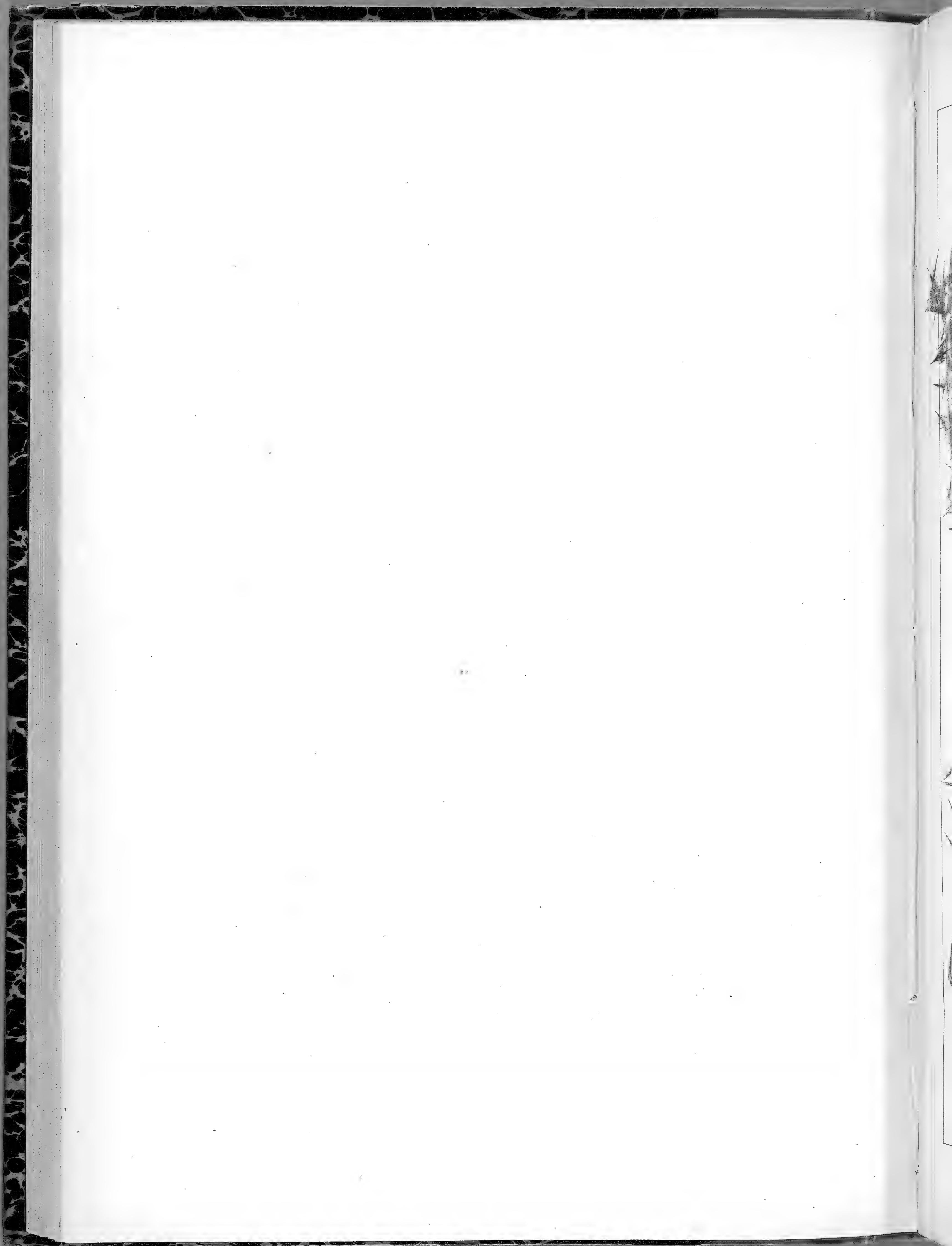








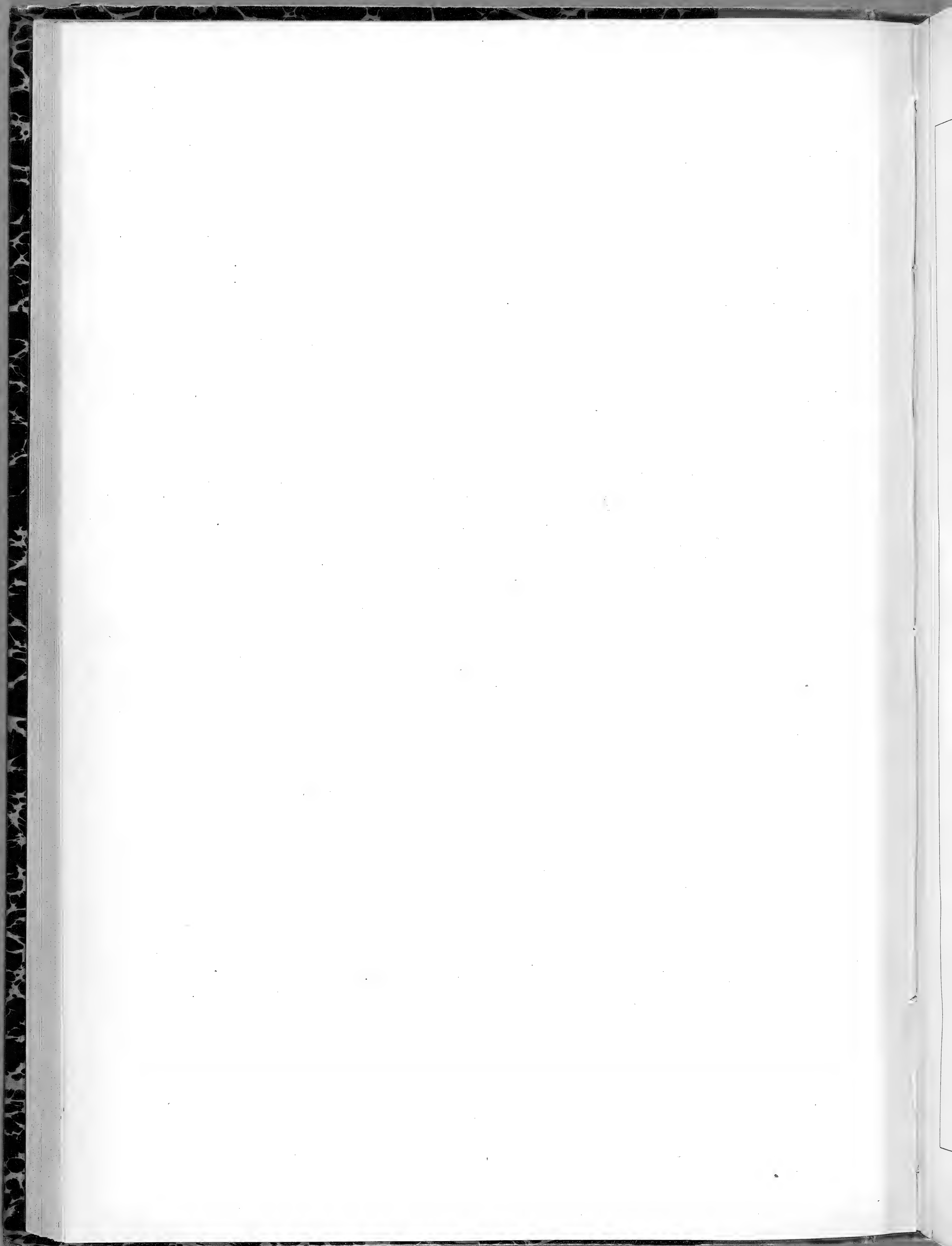
C. ACANTHOIDES . L. ②







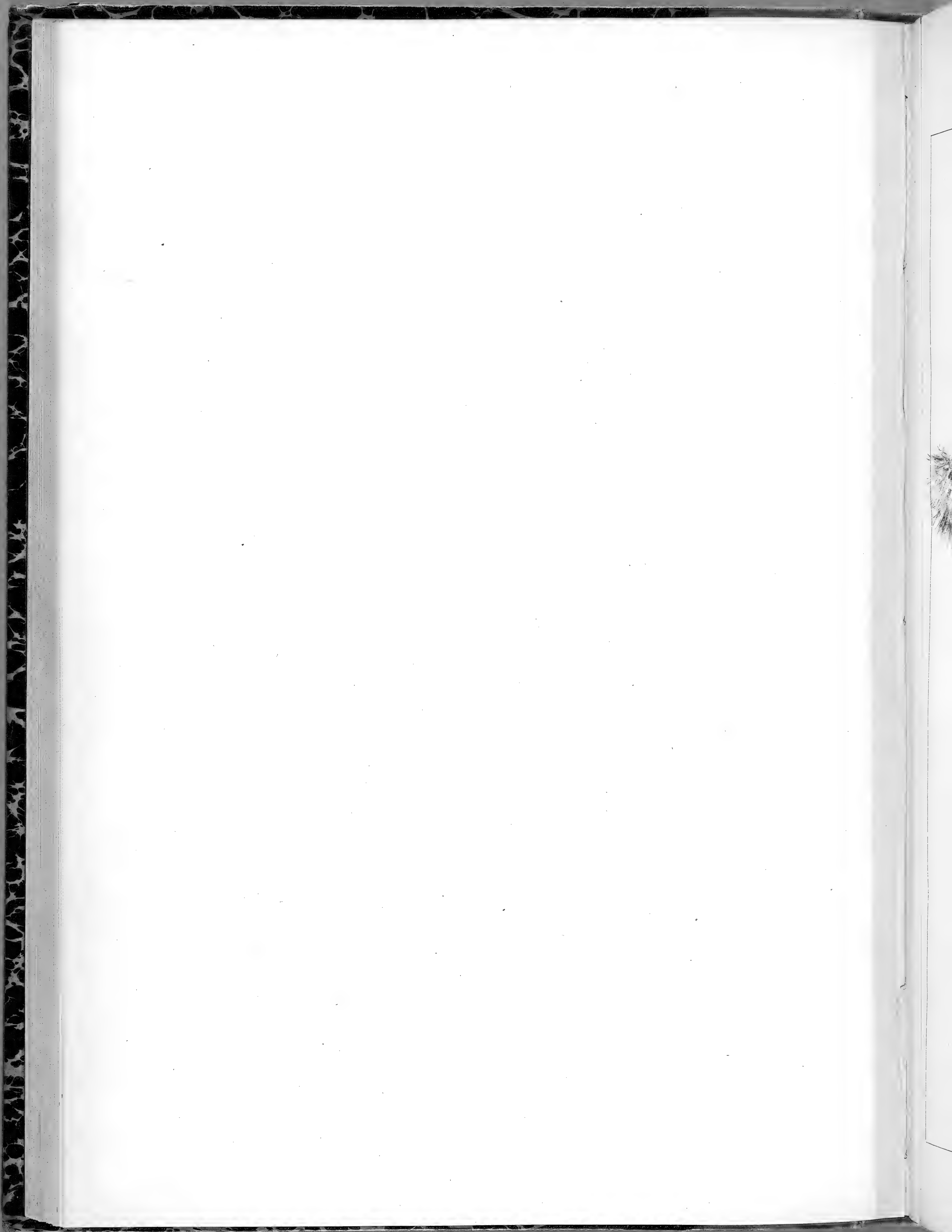
C. NUTANS. L. ②







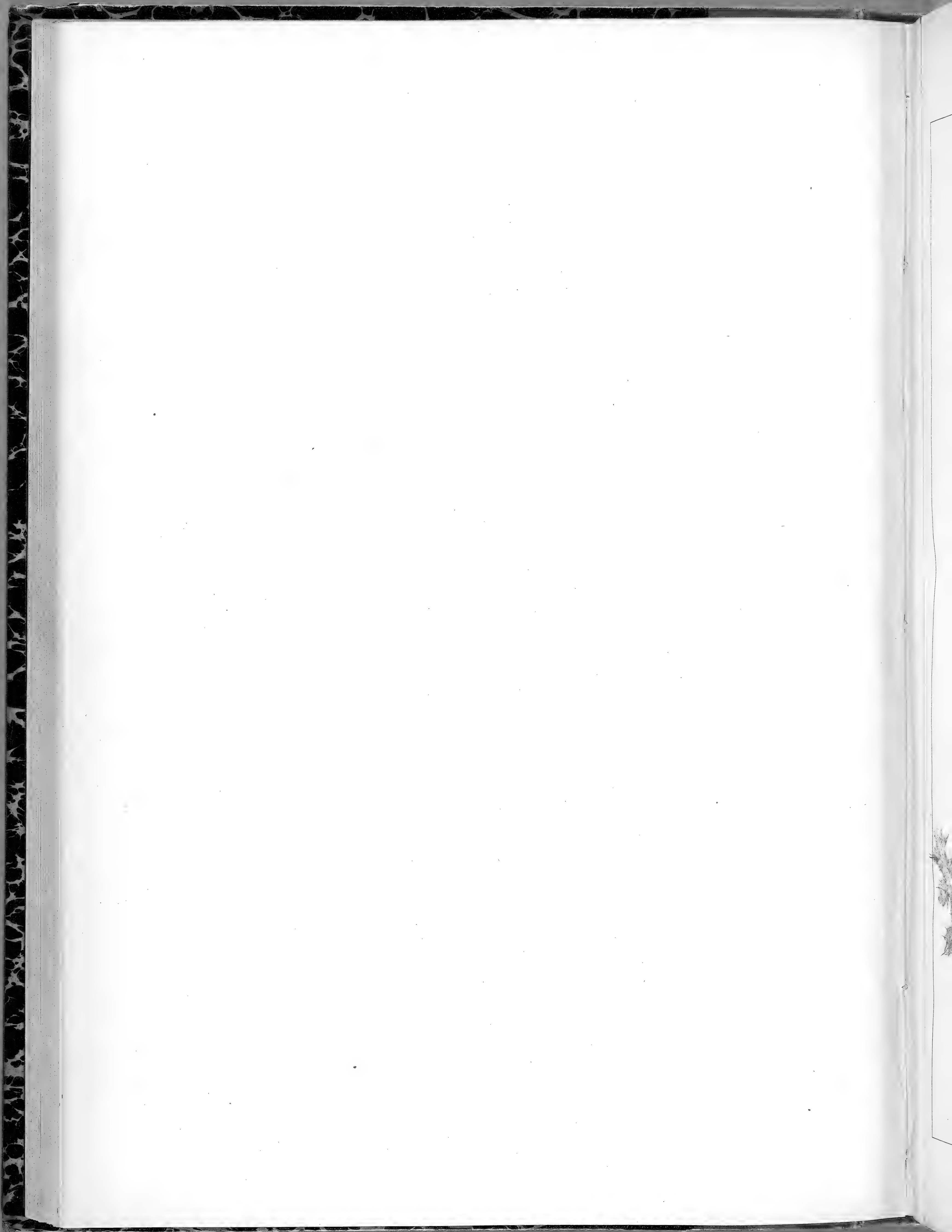
C. NIGRESCENS. VILL. ②







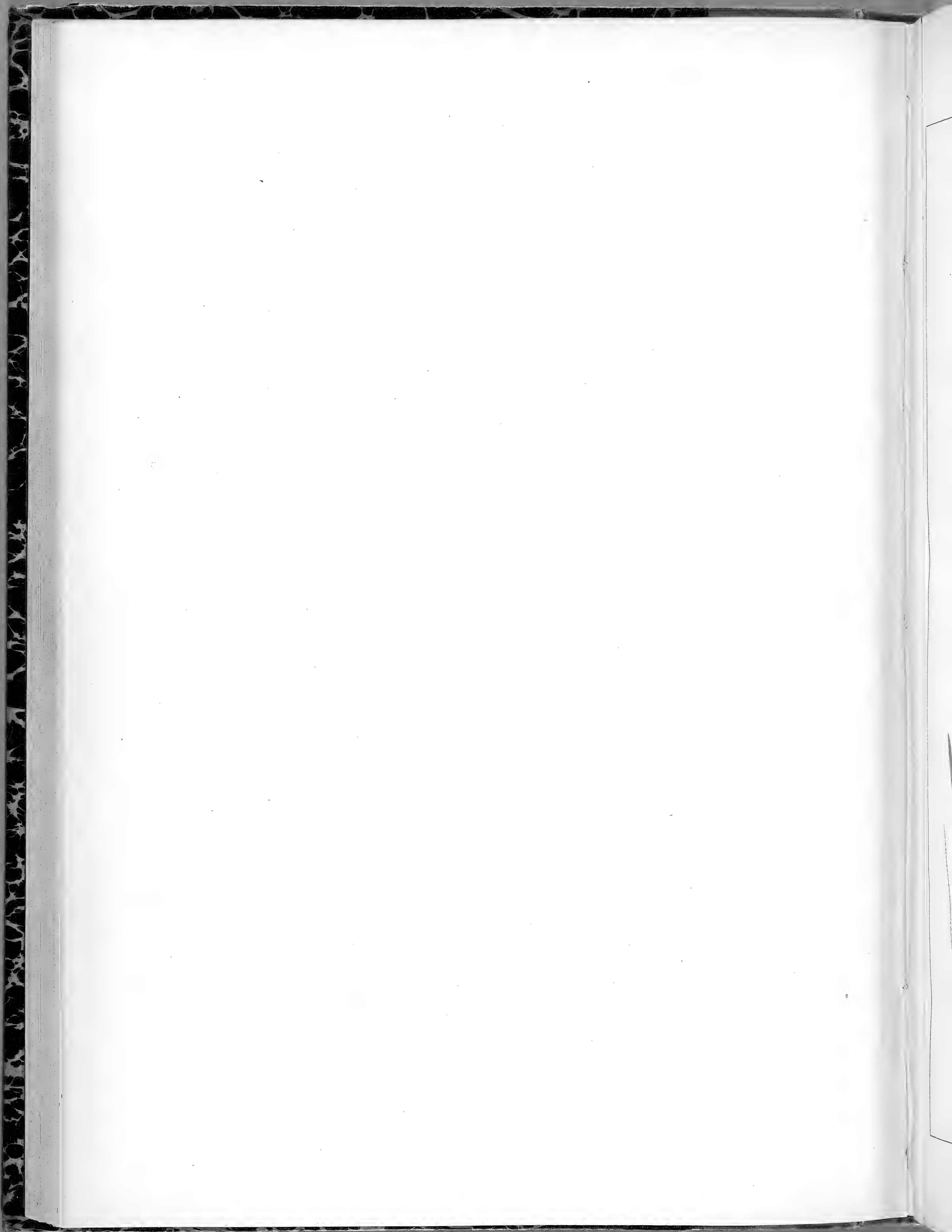
*C. VIVARIENSIS*. JORD. ②







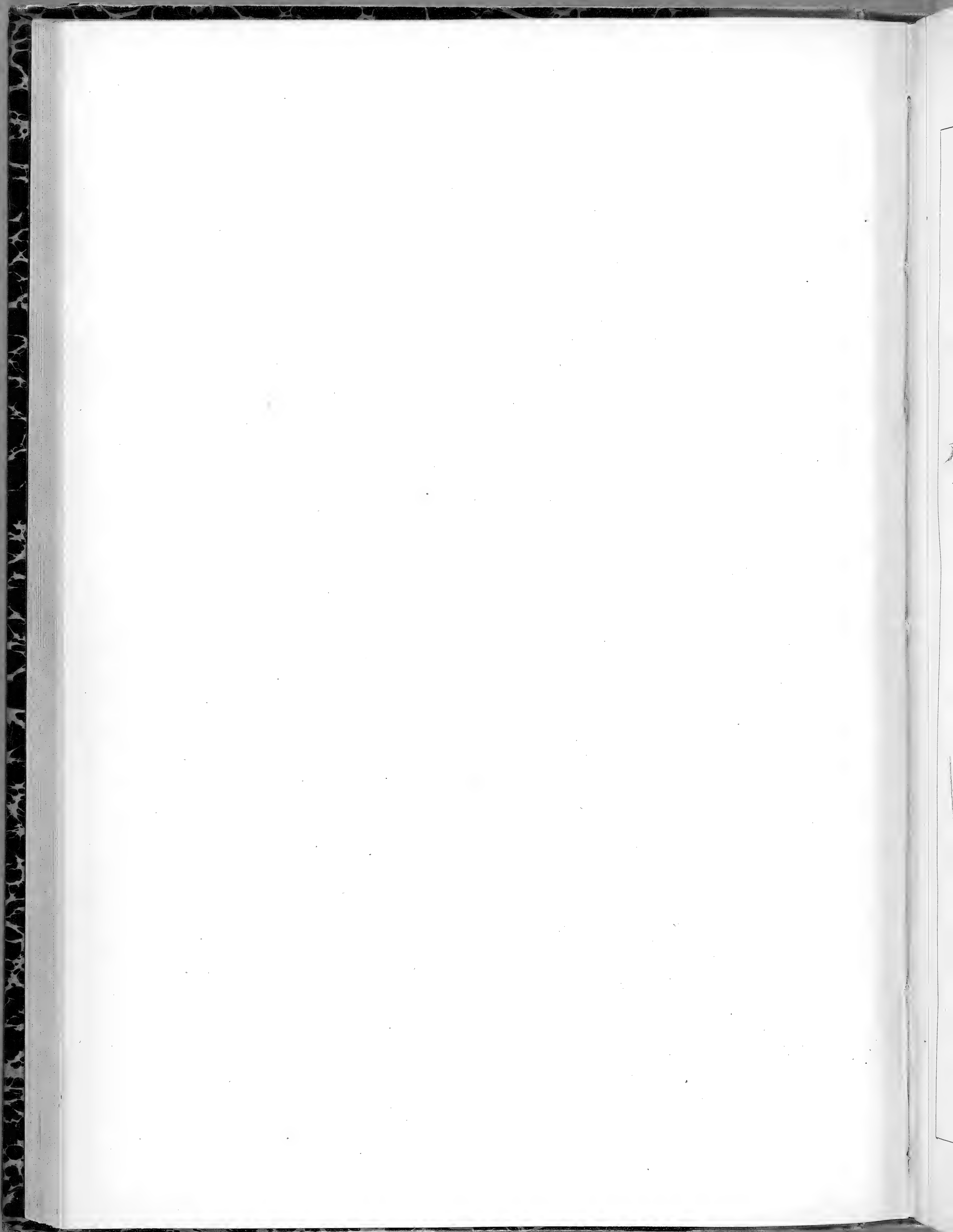
C. HAMULOSUS. EHRH. ②







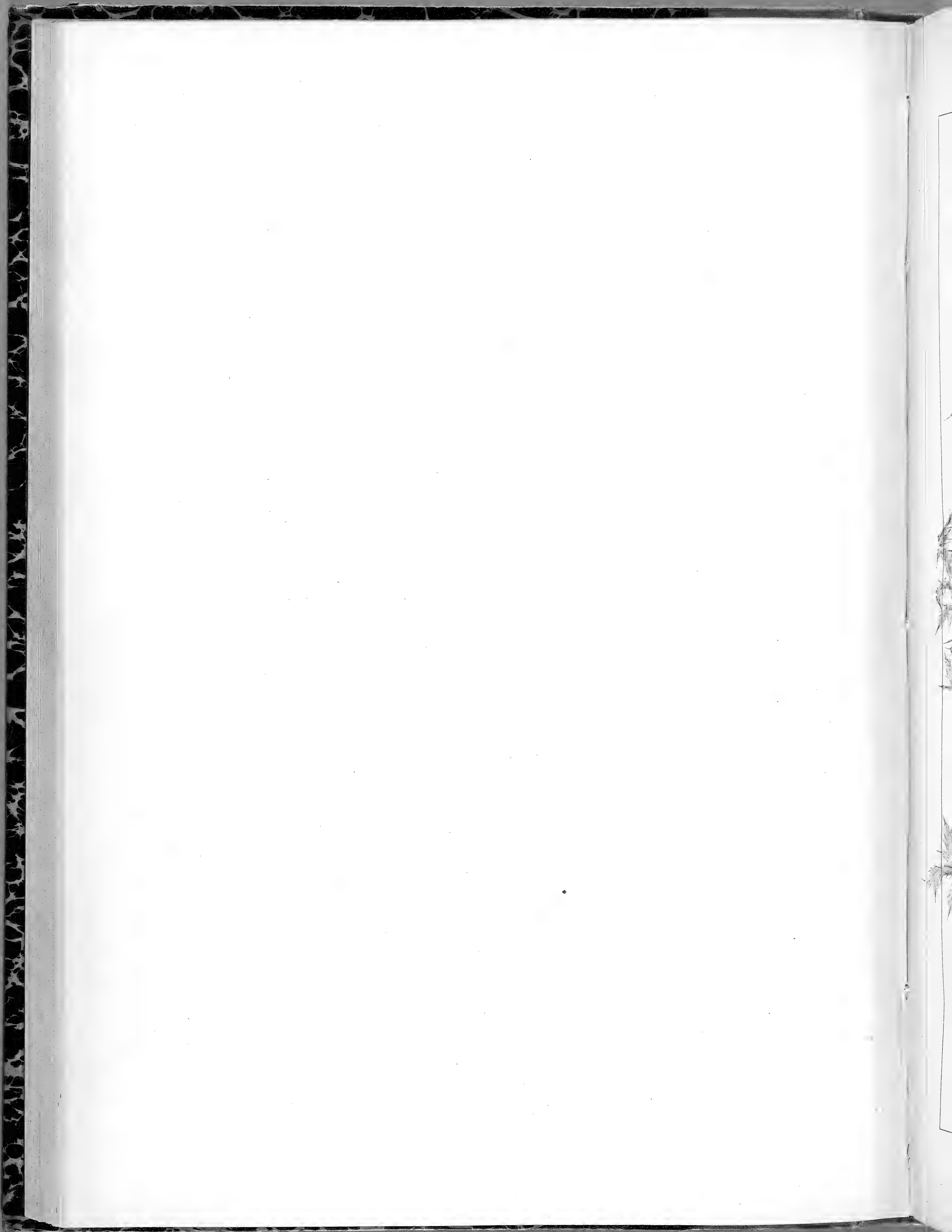
C. SANCTÆ-BALMÆ. LOIS. ②







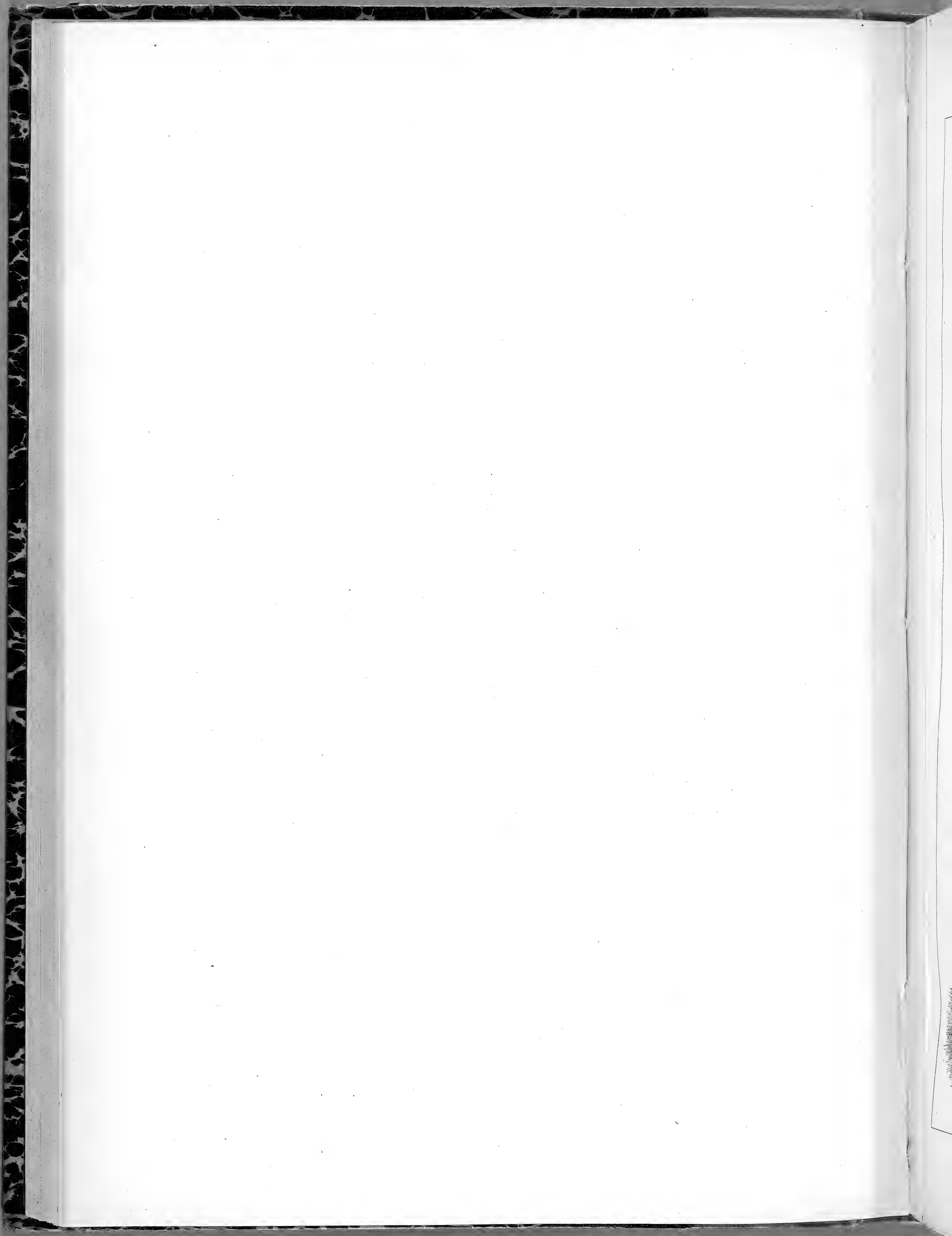
C. AUROSICUS. VILL. ②







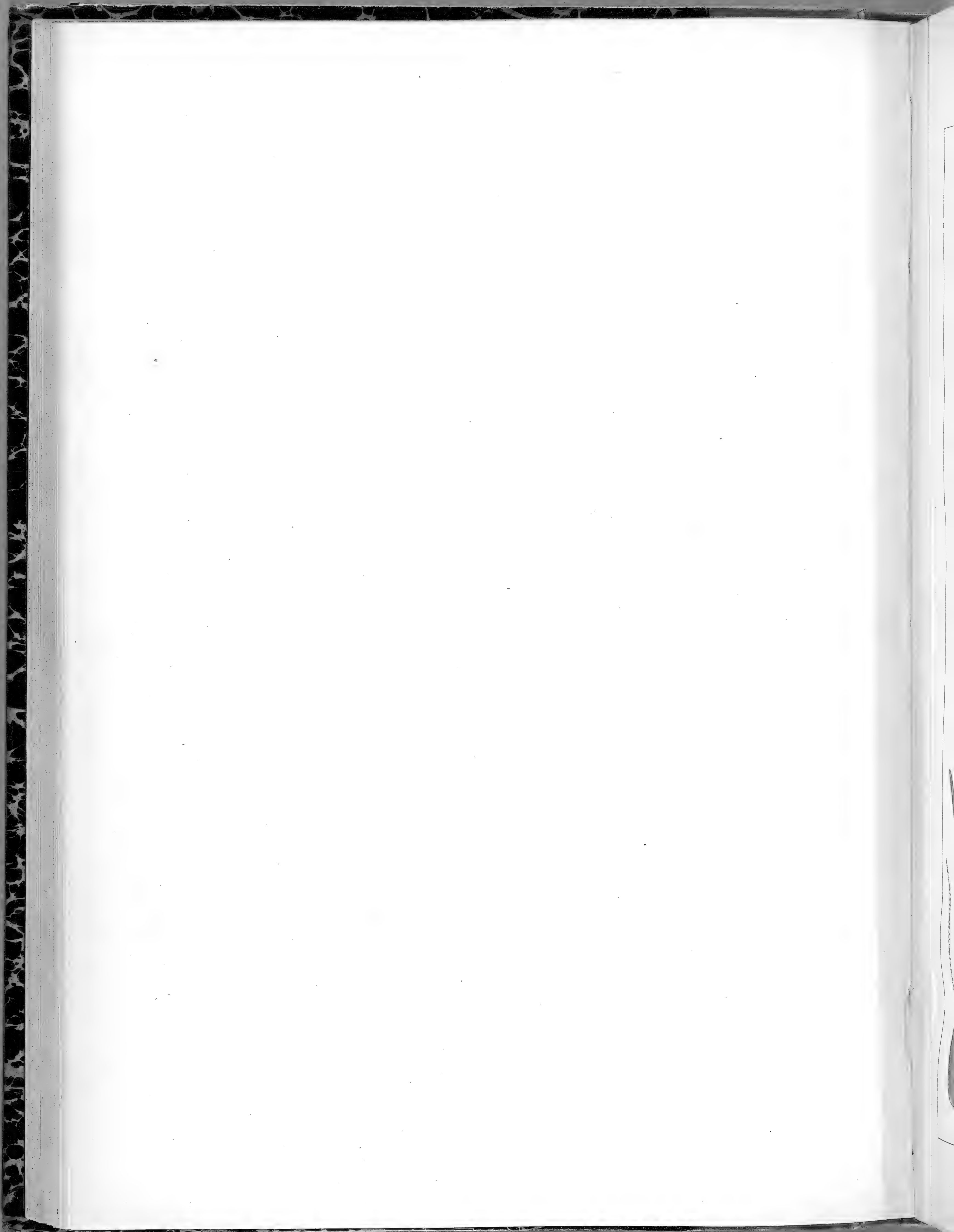
C. CARLINÆFOLIUS. LAMK. ♀







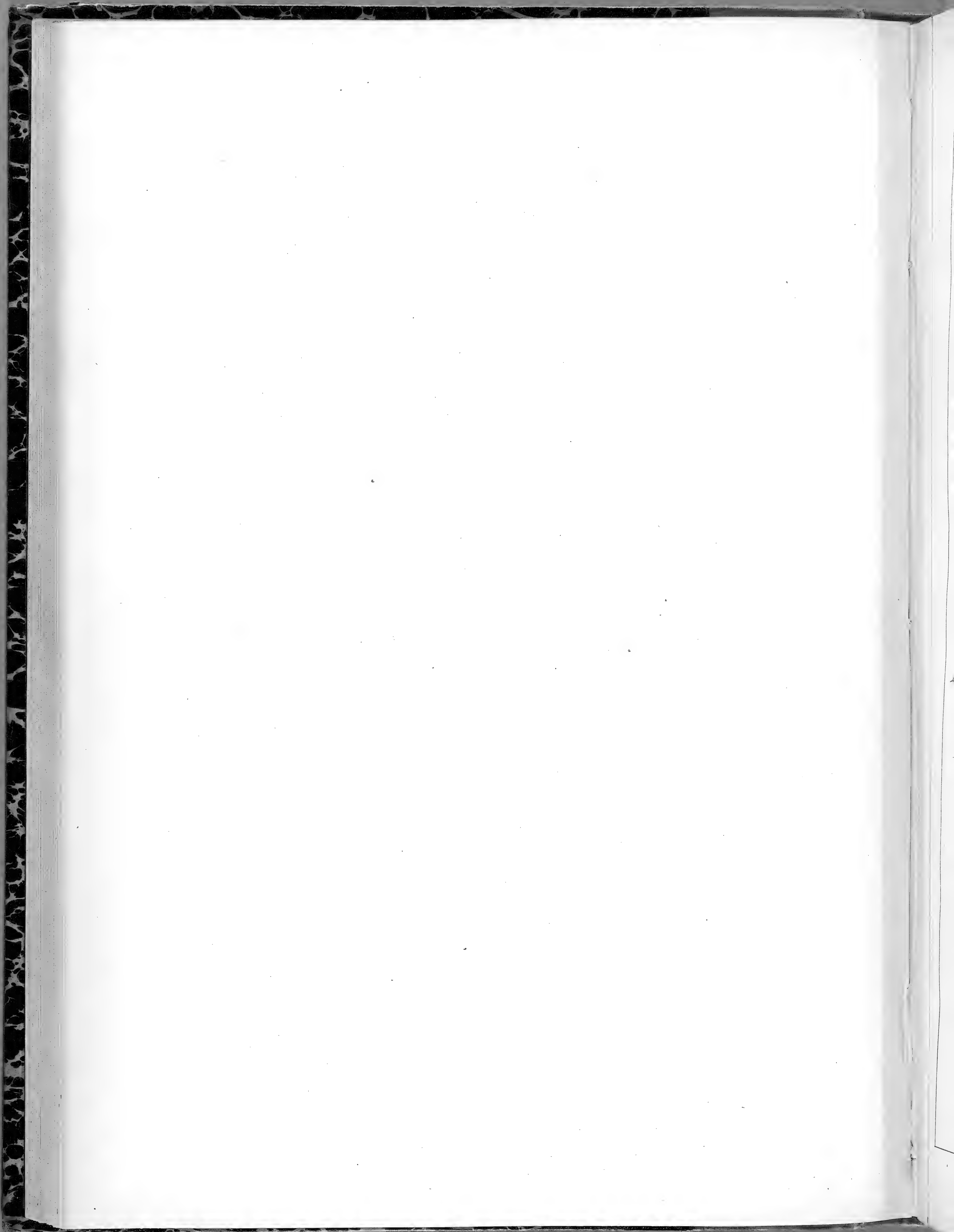
*C. DEFHORATUS* . L. 2







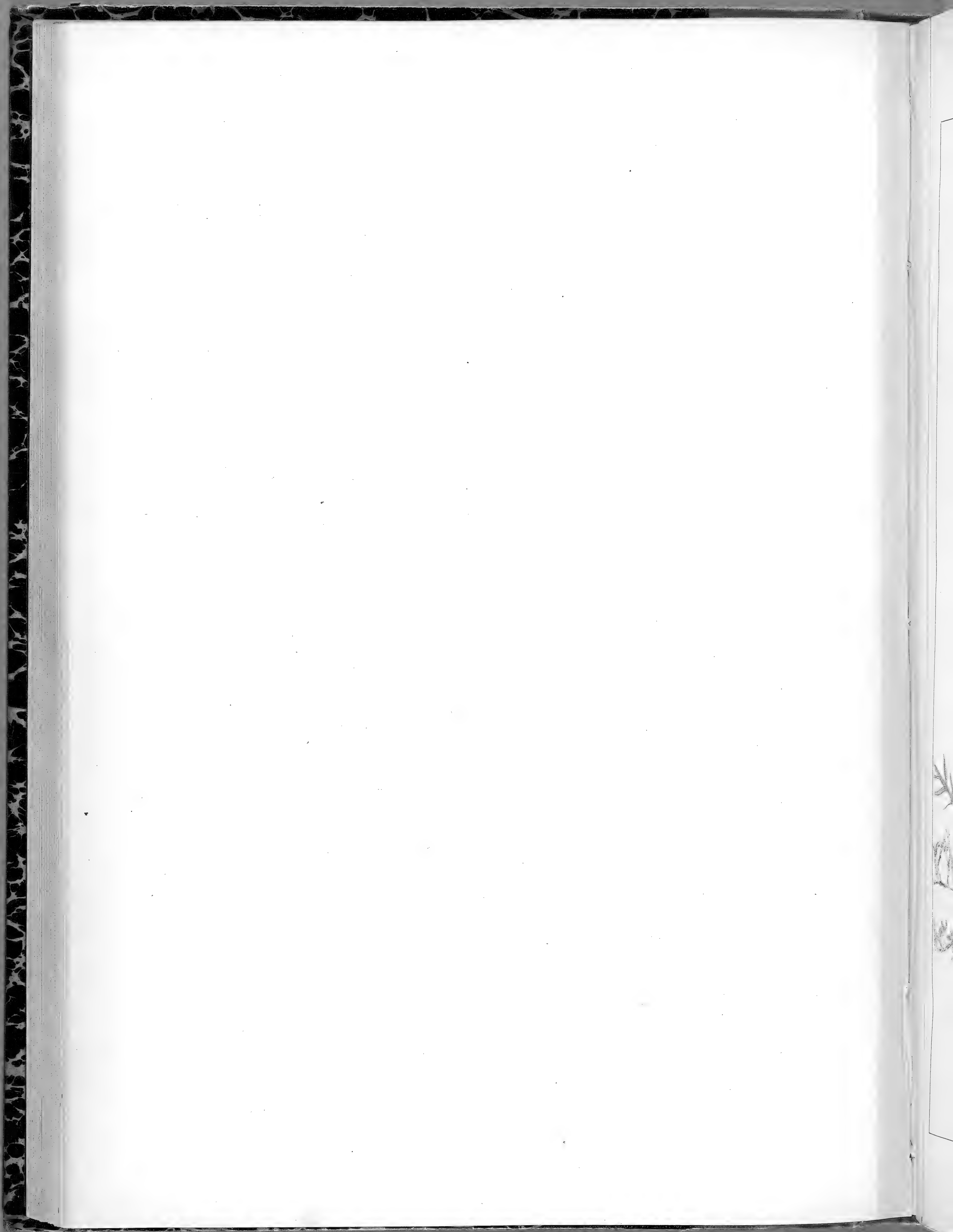
C. MEDIUS. GOU. 7



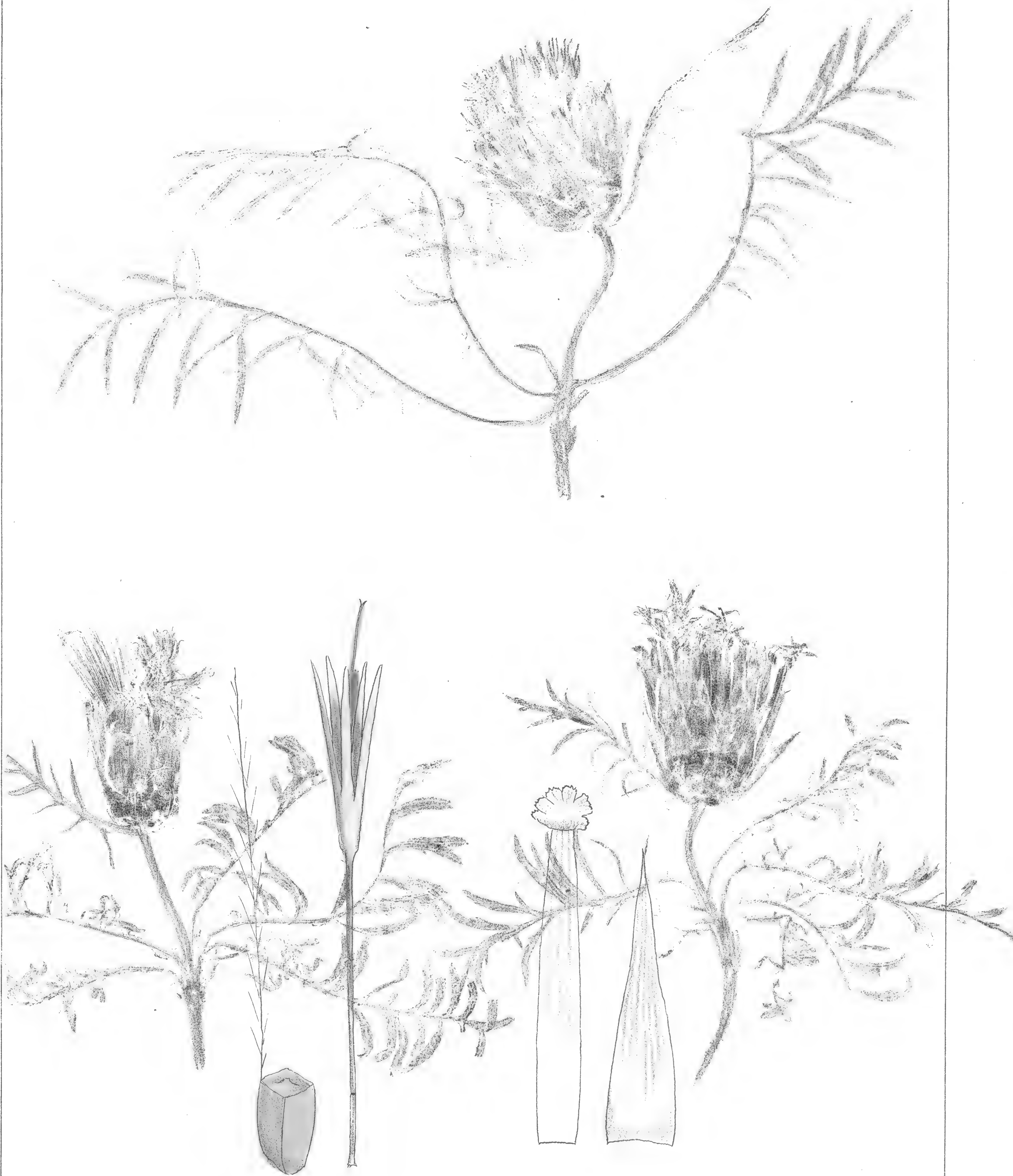




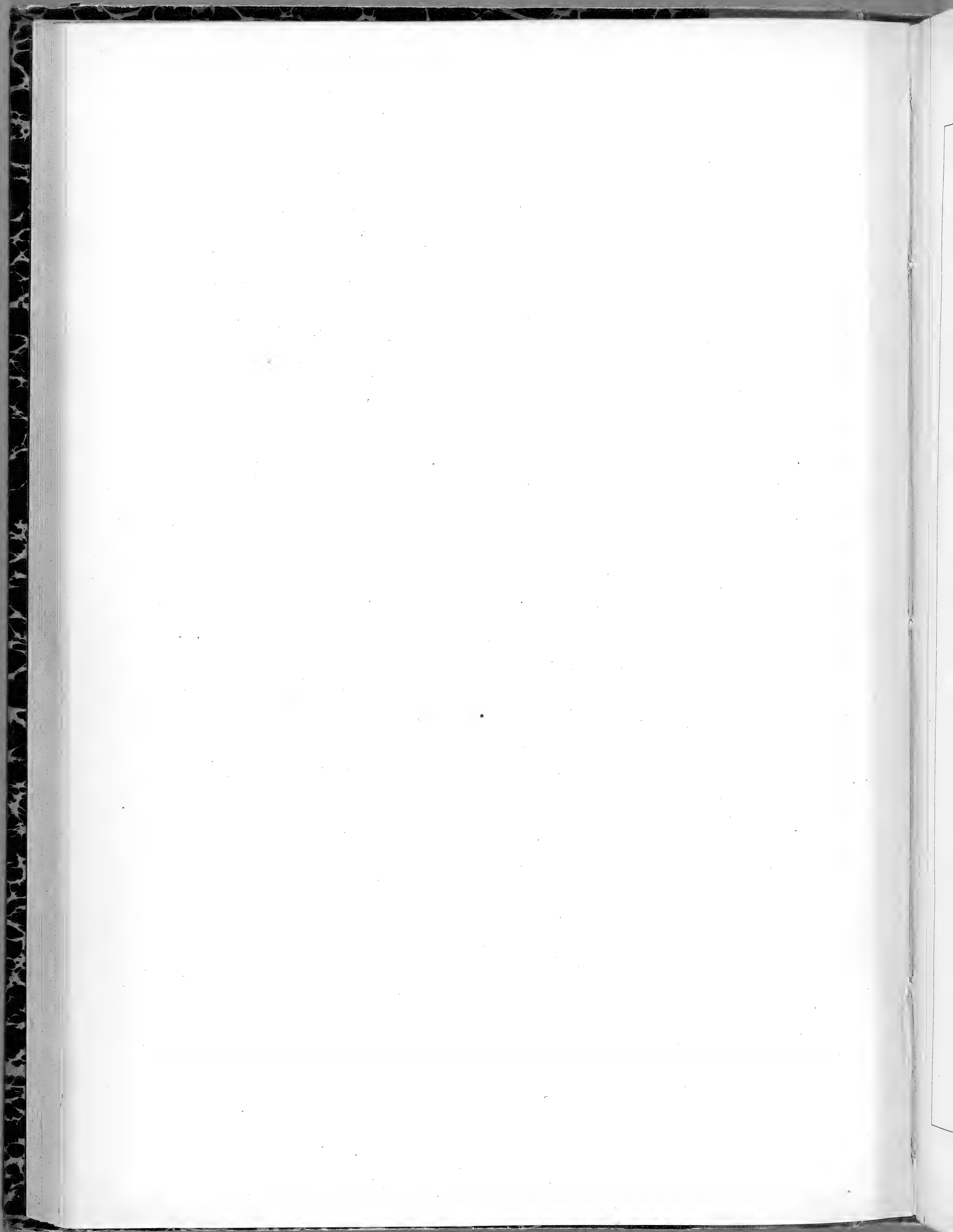
C. CARLINOIDES. GOU. 2/







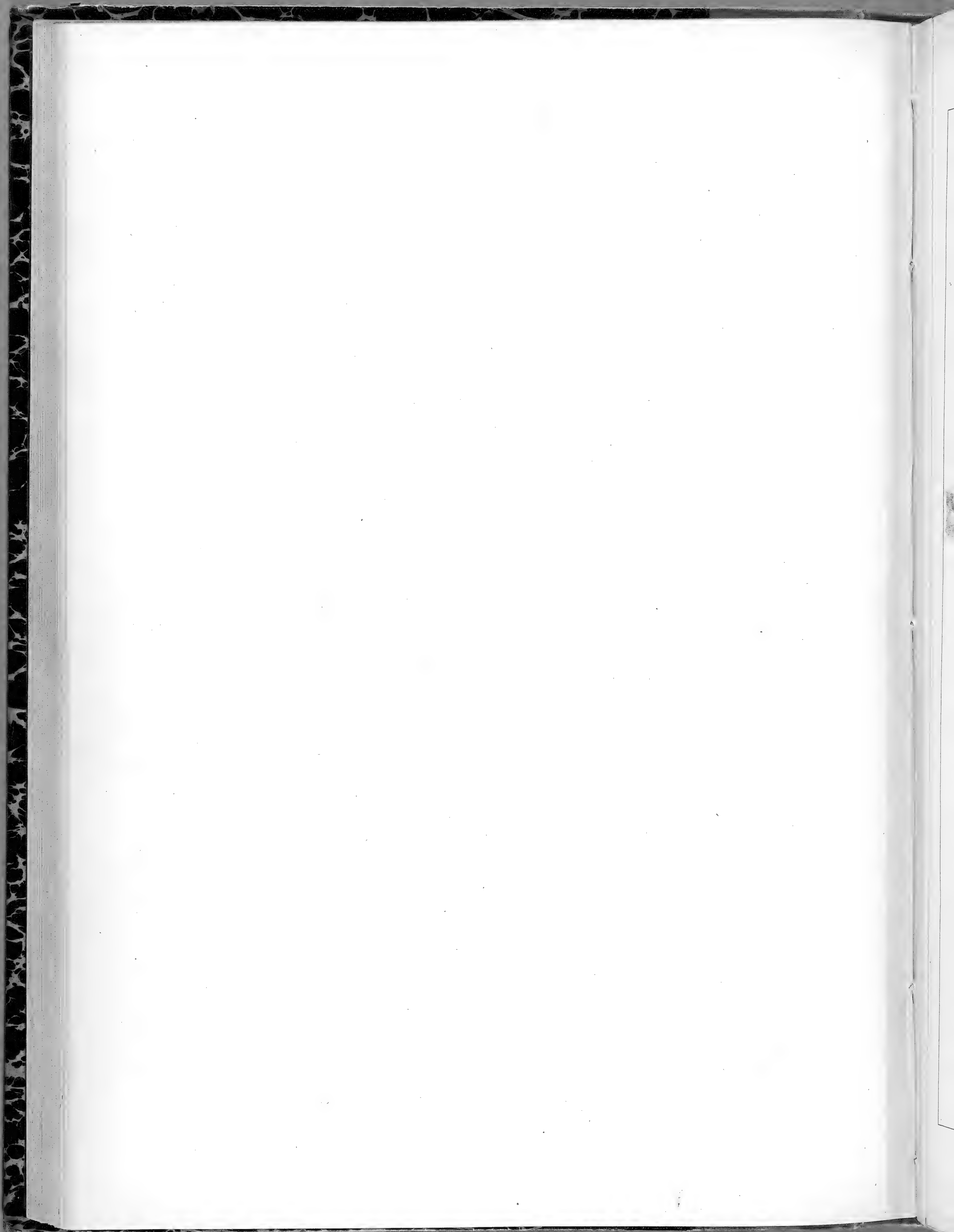
CARDUNCELLUS MITISSIMUS. D. C. 2







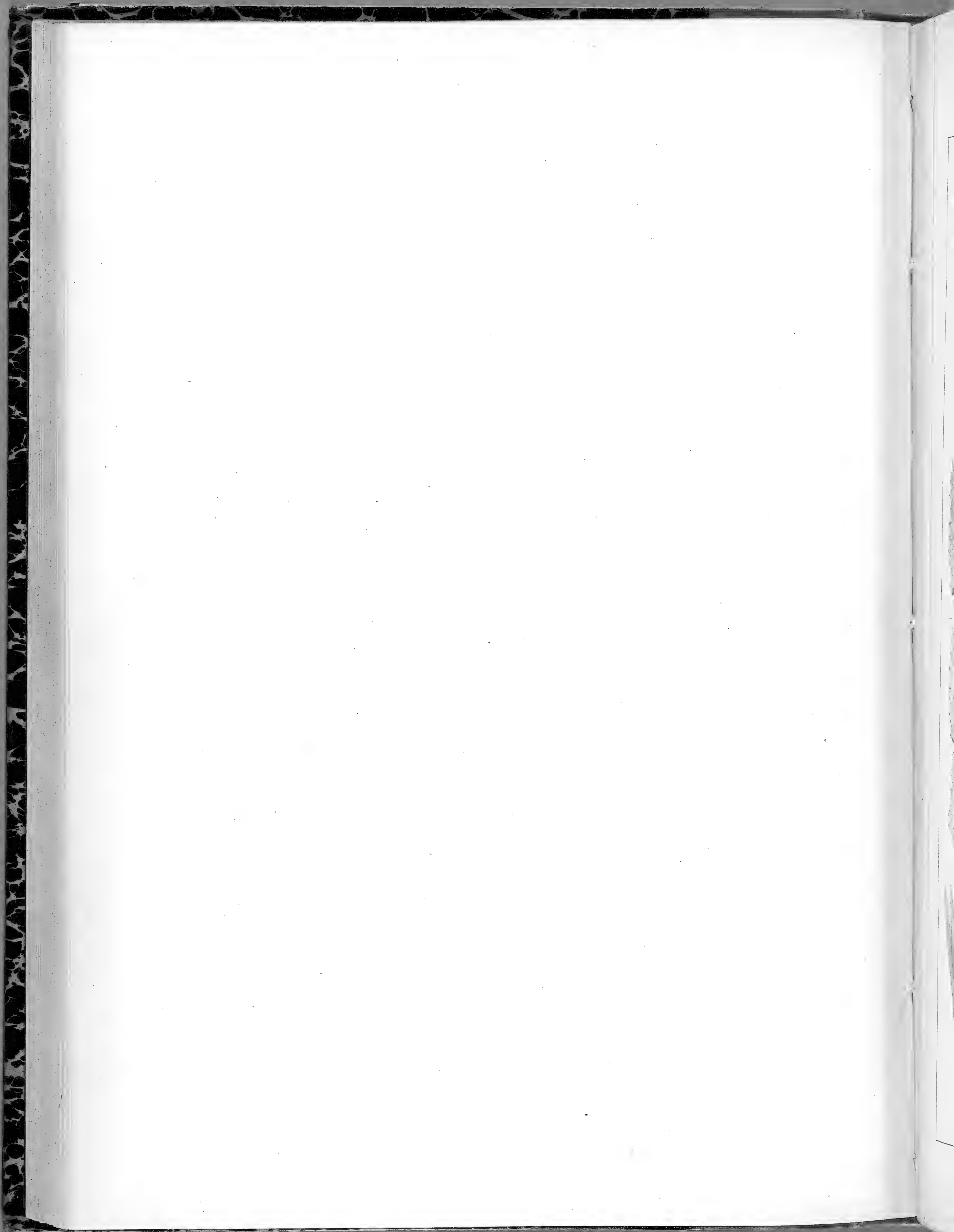
C. MONSPELIENSIMUM. ALL. 2







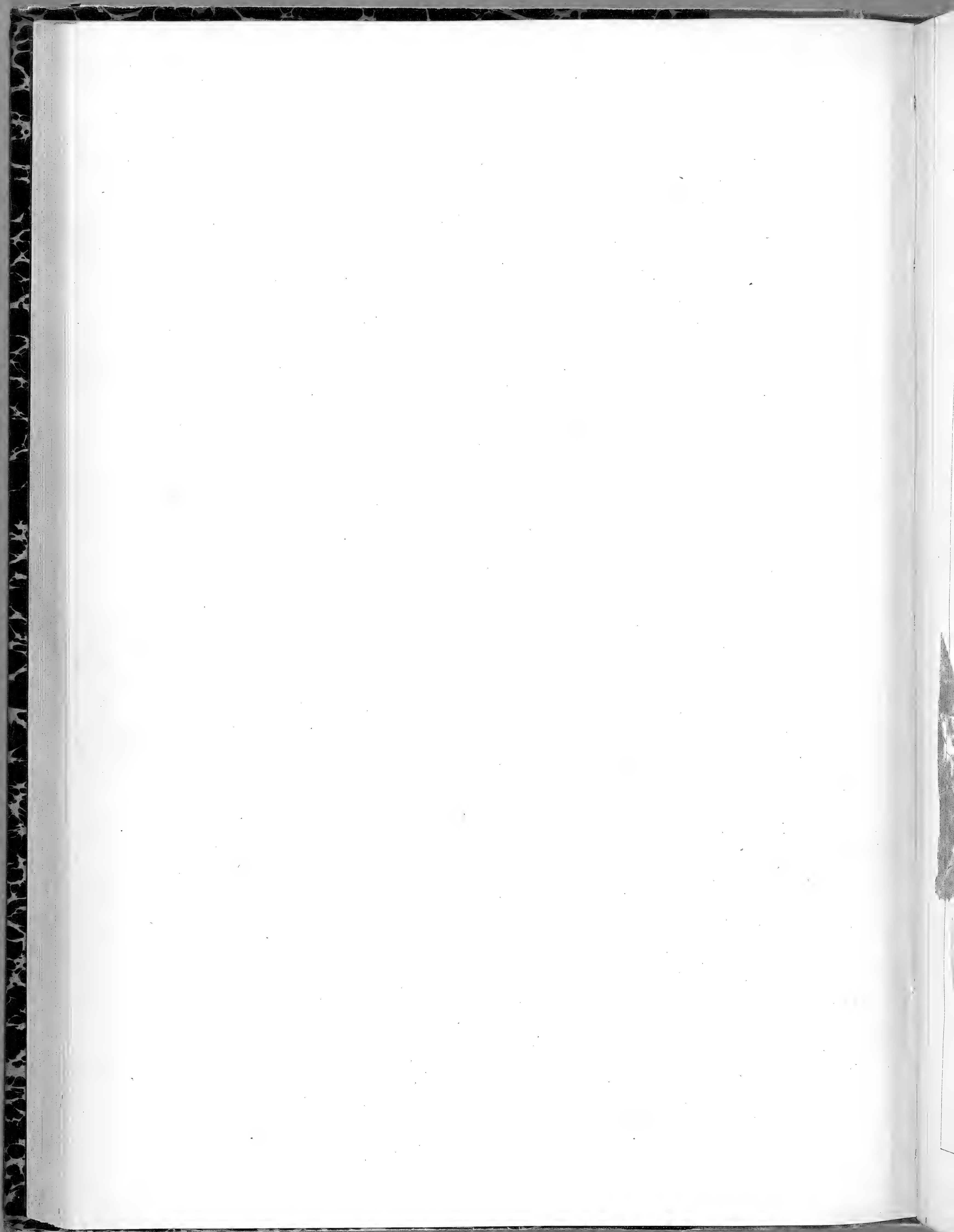
RHAPONTICUM CYNAROIDES. LESS. 2







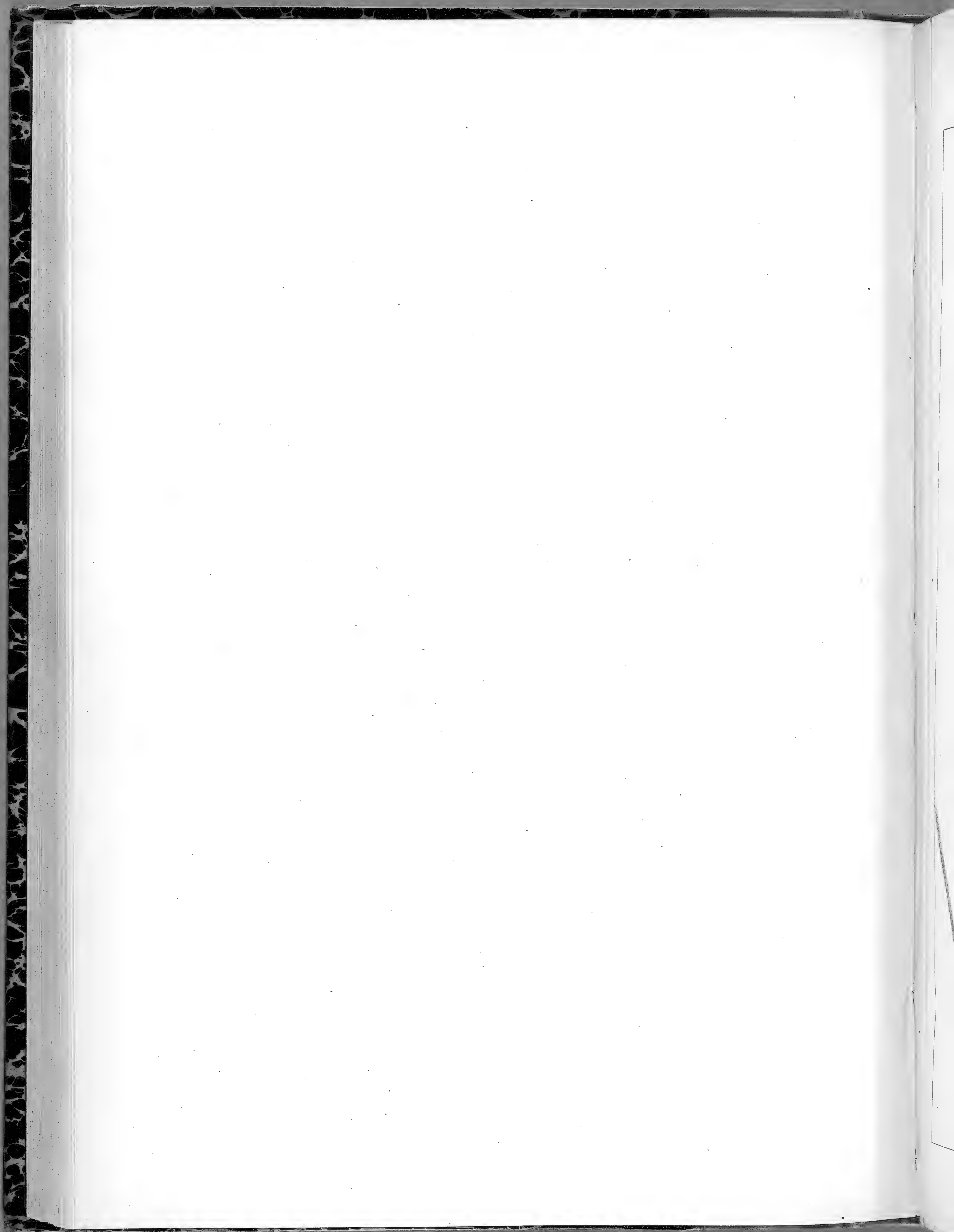
*R. HELENIIFOLIUM* G. G. Z.







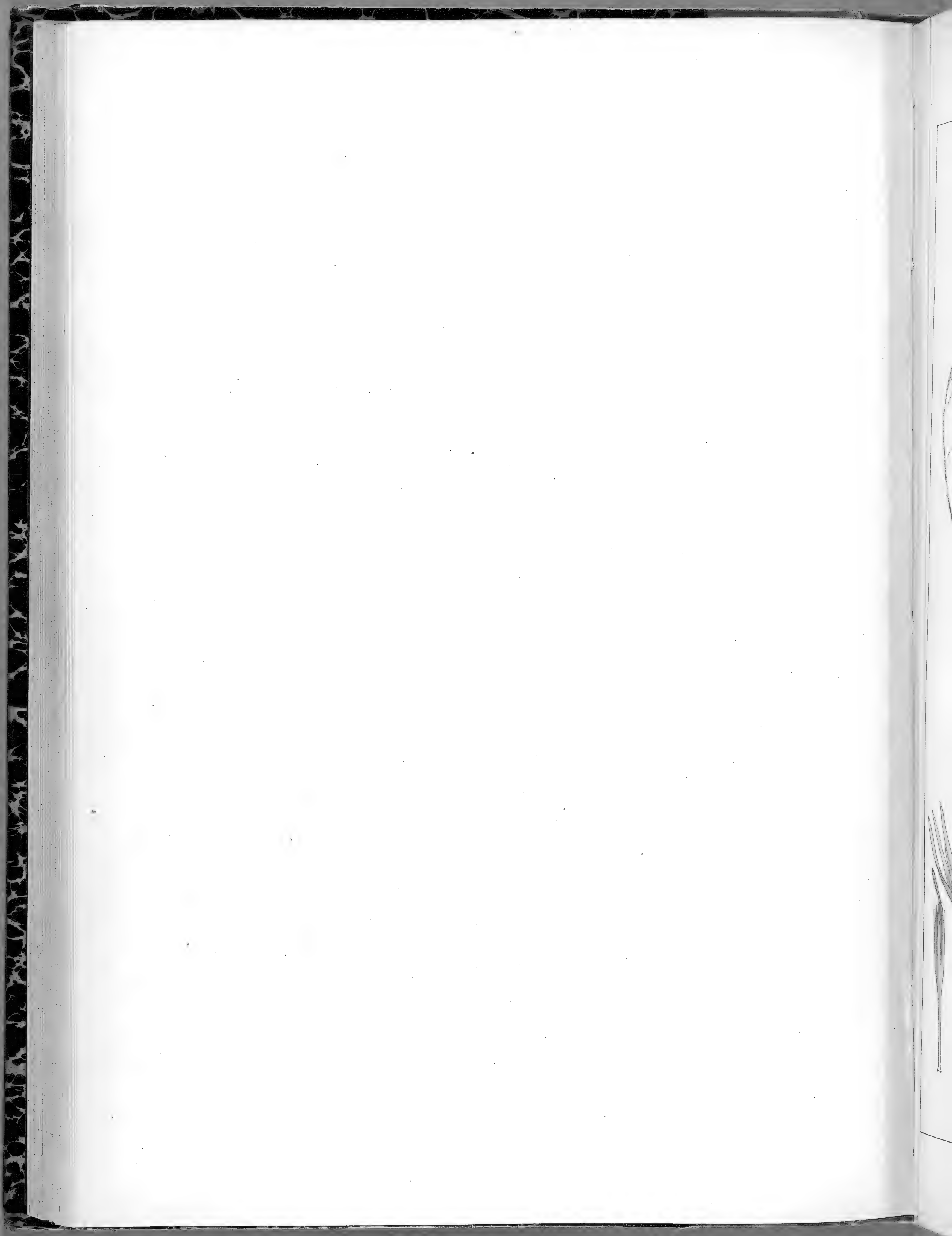
*R. SCARIOSUM* LAMK. 2



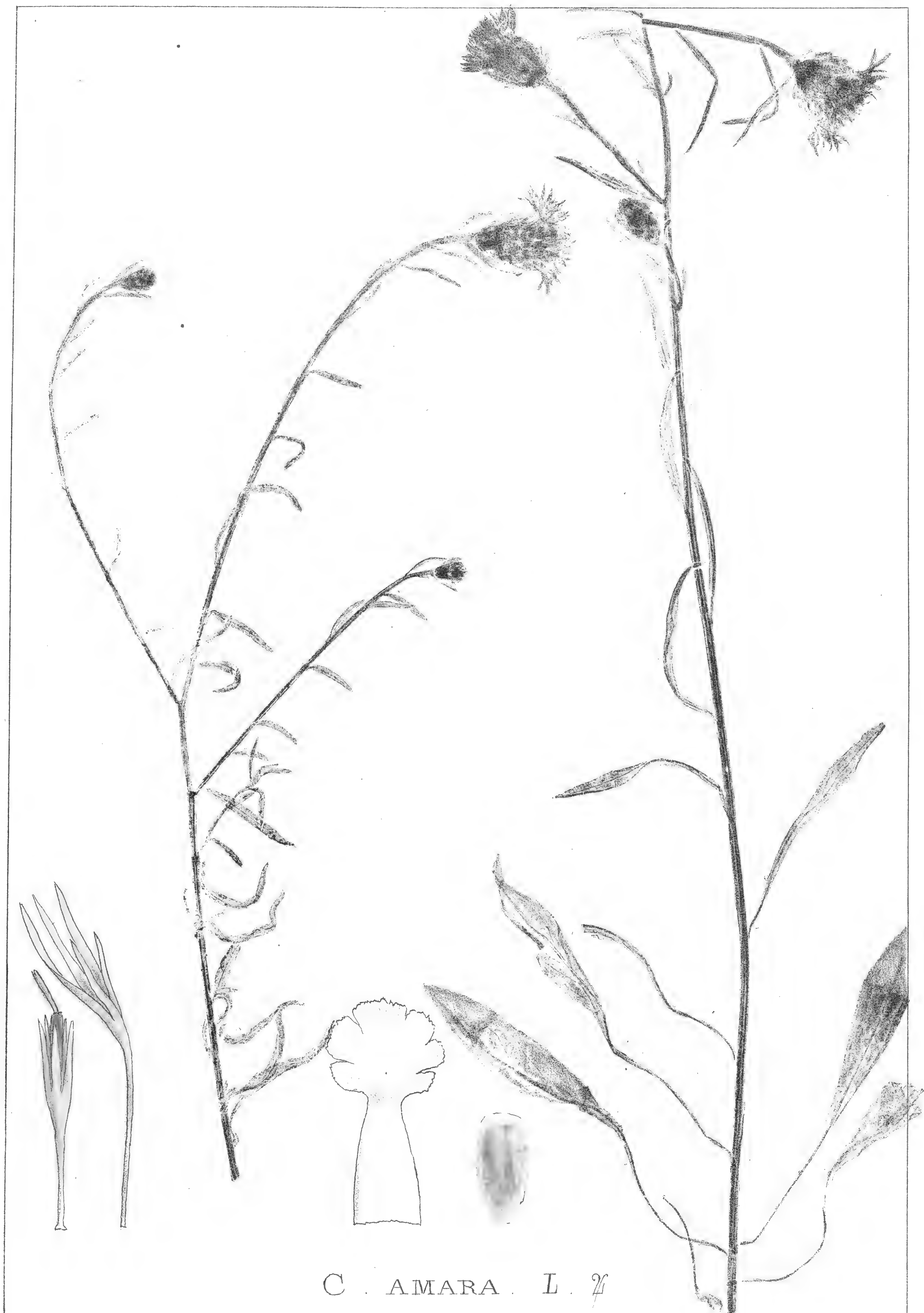




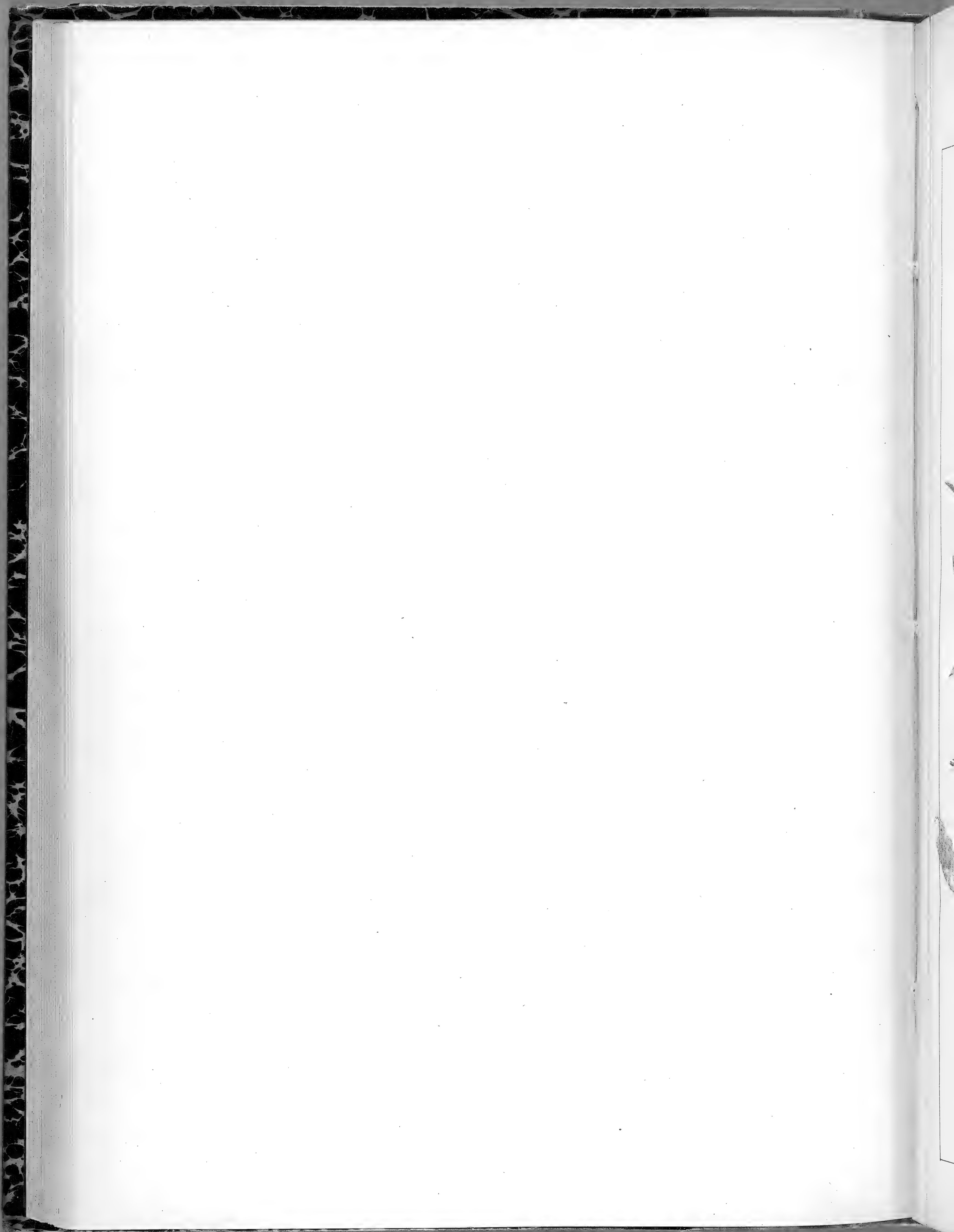
CENTAUREA SPLENDENS. BIEB. 2







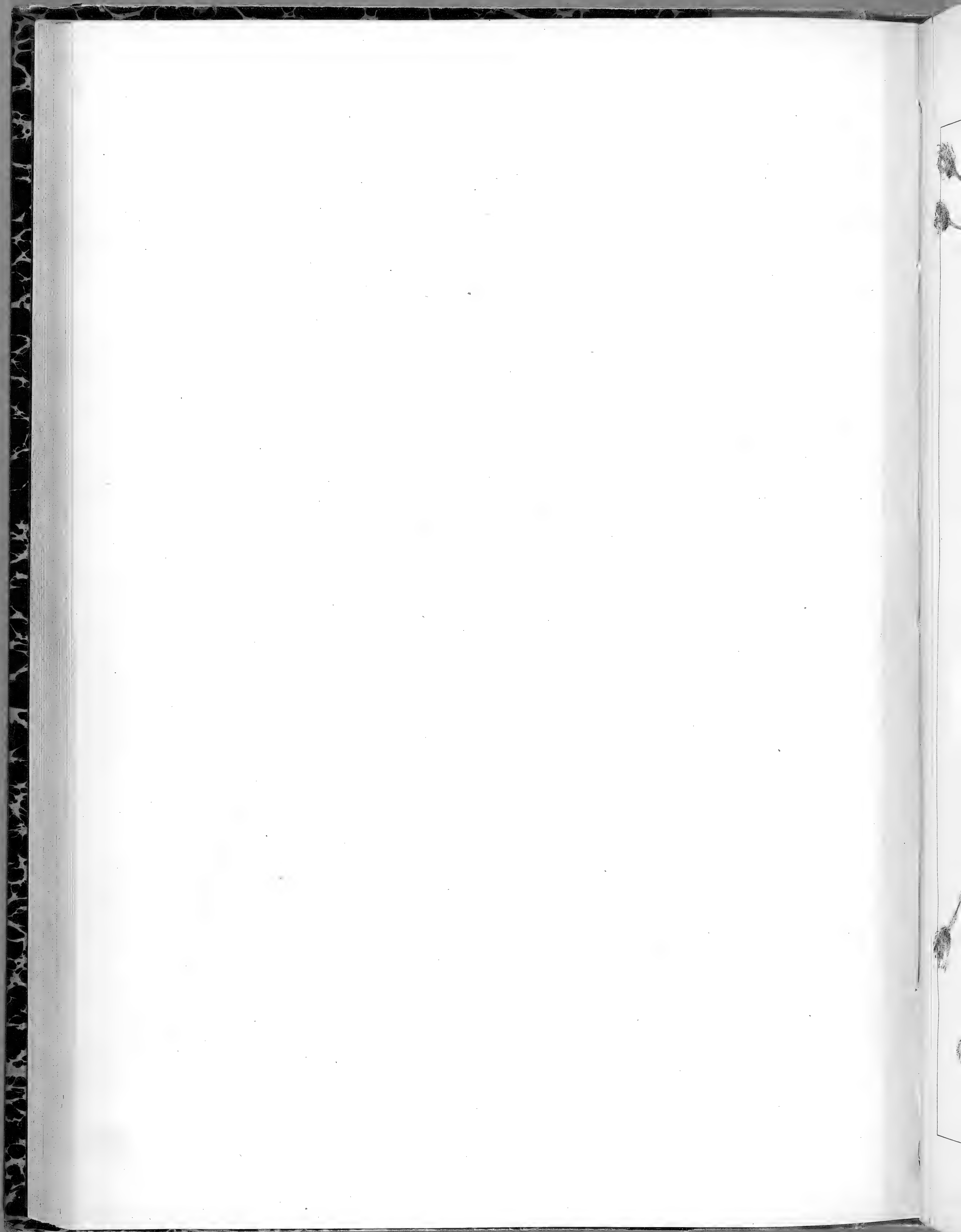
C . AMARA . L . ♀







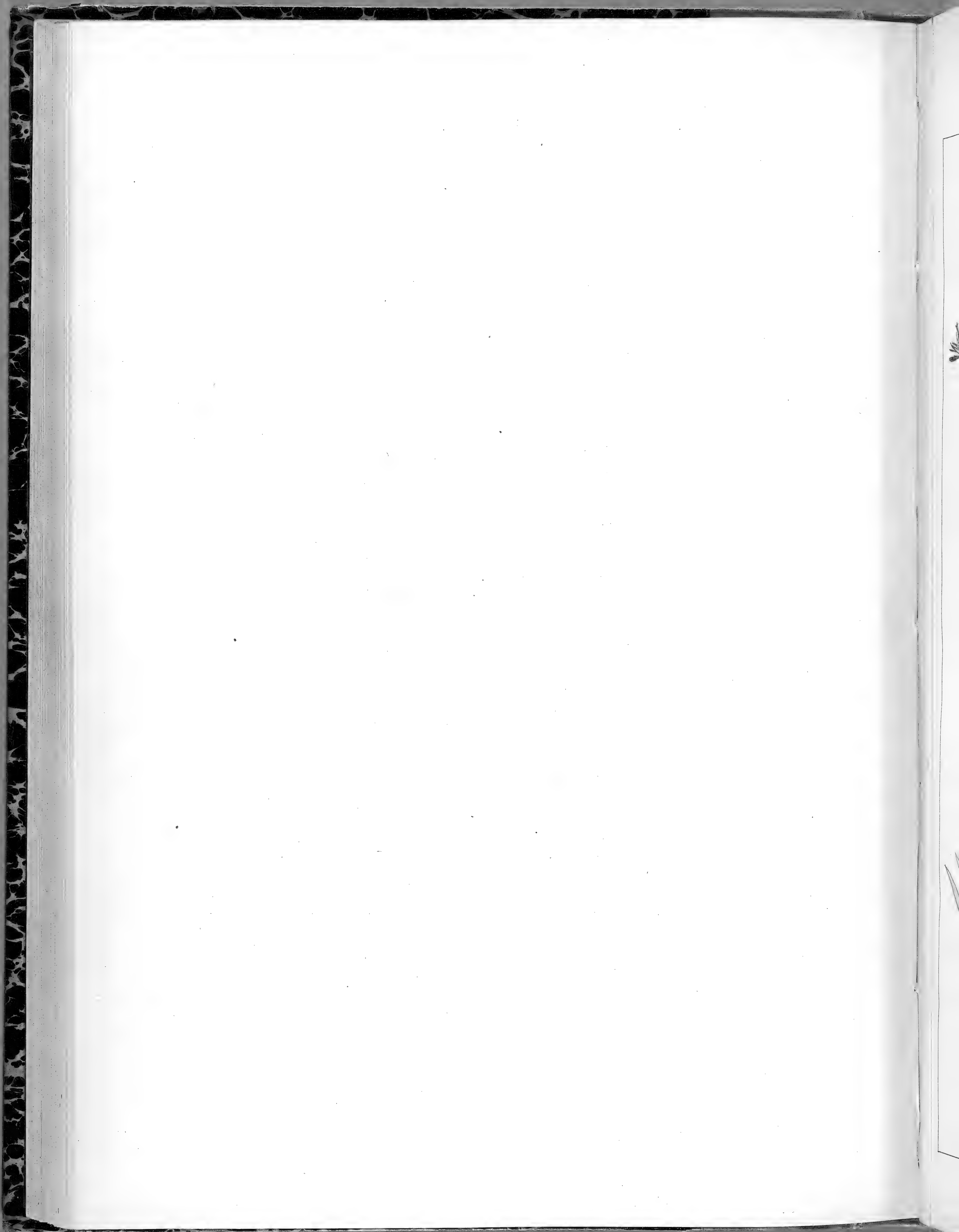
C. AMARA. L. ♀







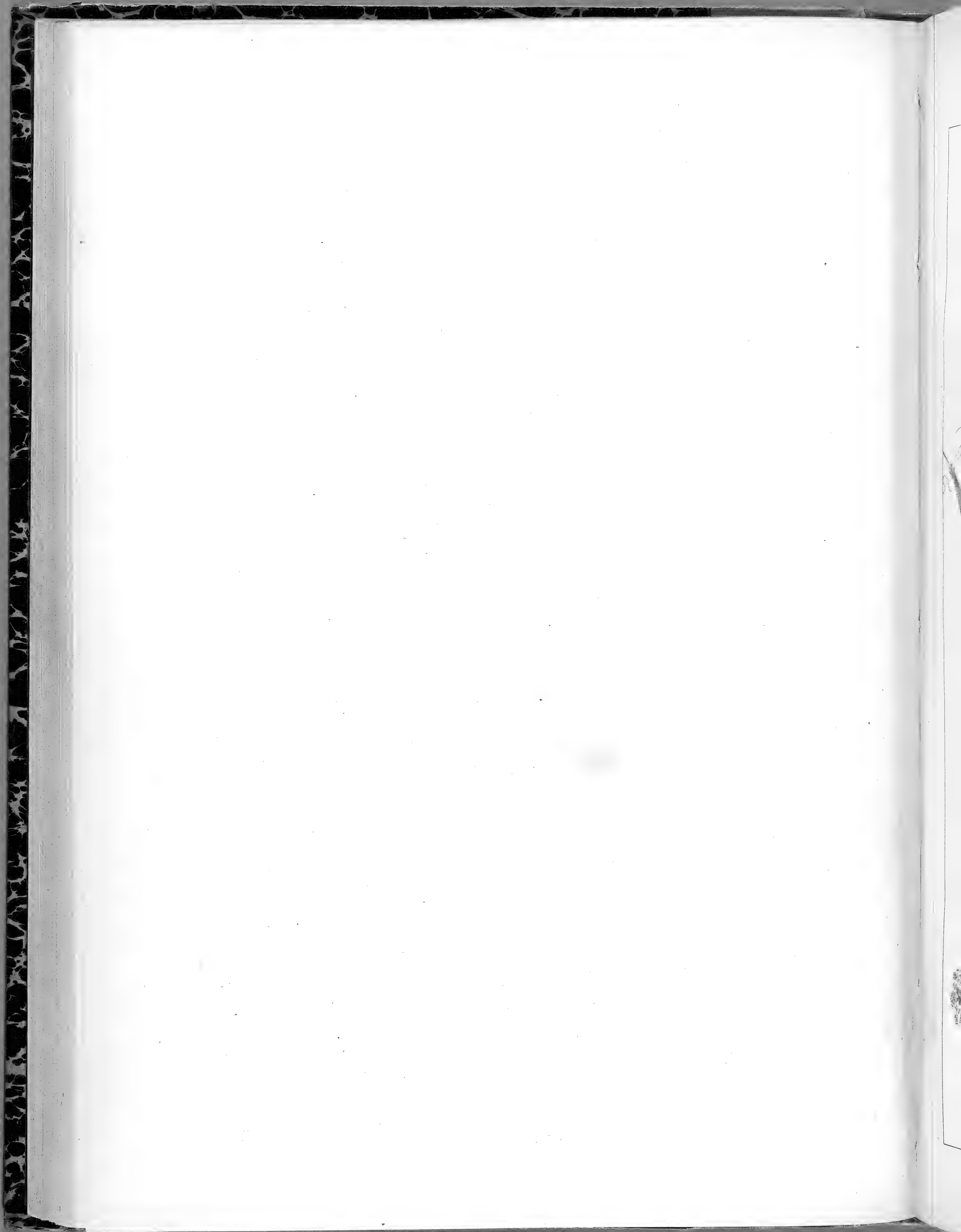
C . SEROTINA . BOR . 24







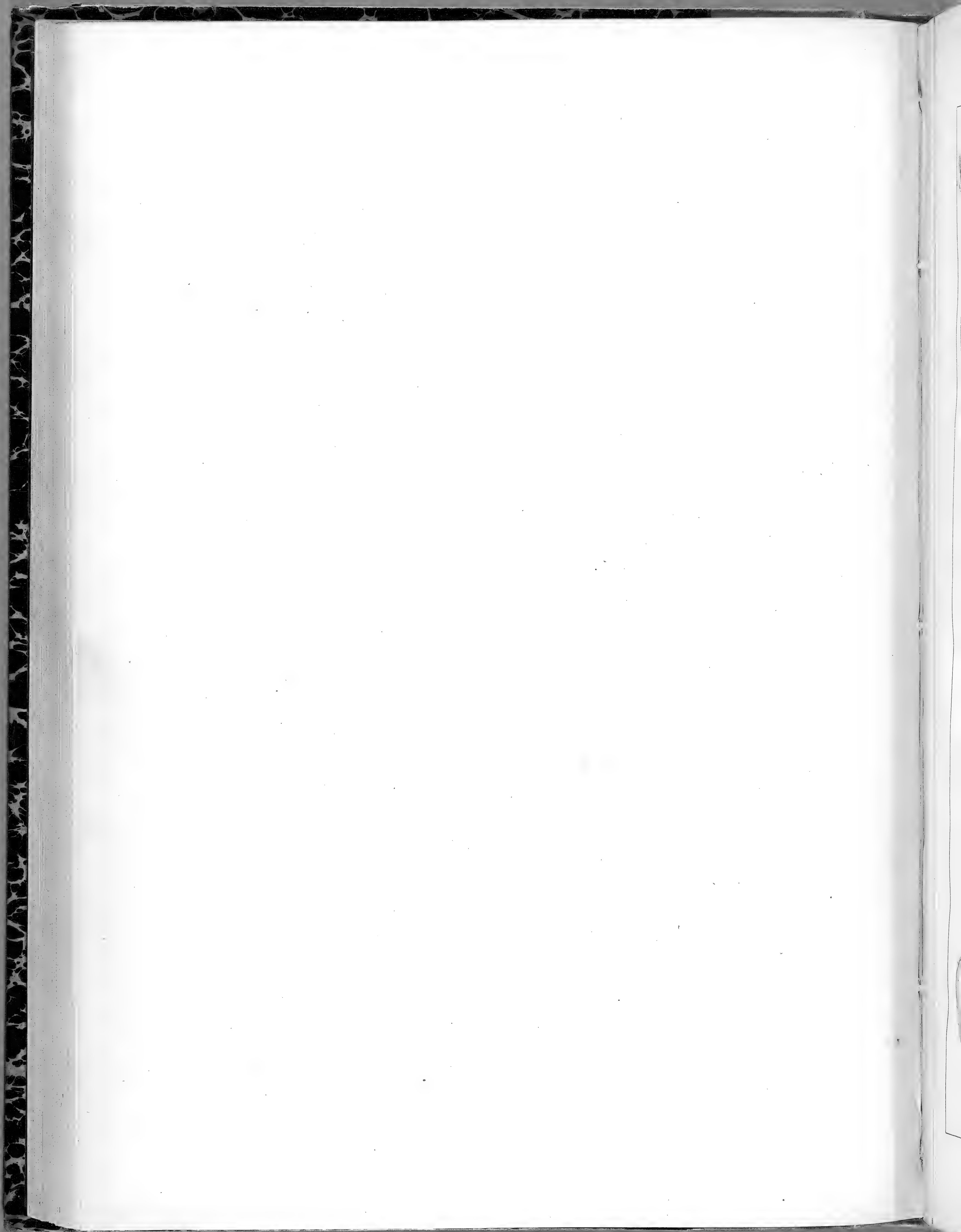
C. JACEA. L. ♀





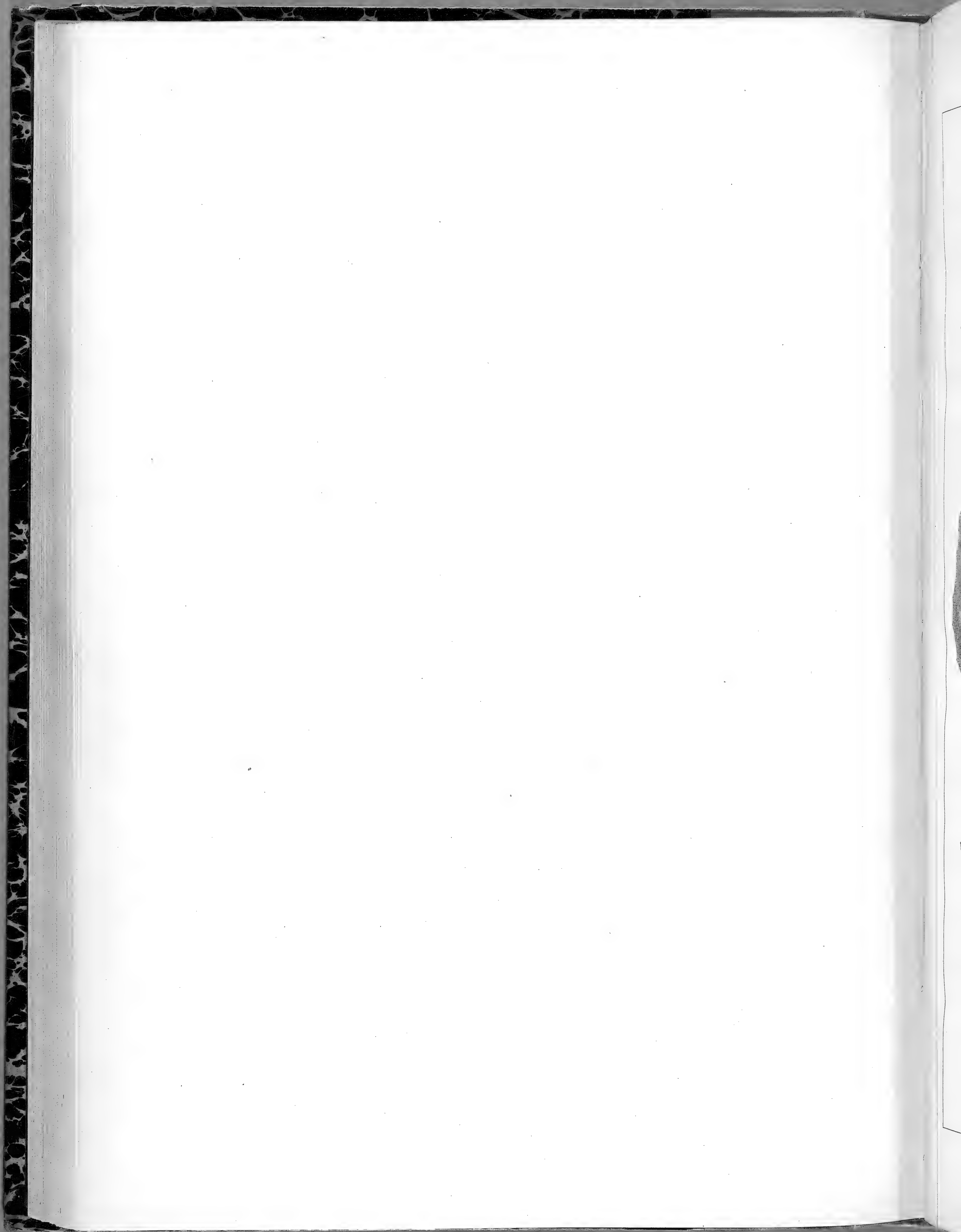


C. TUBULOSA CHABERT. 7





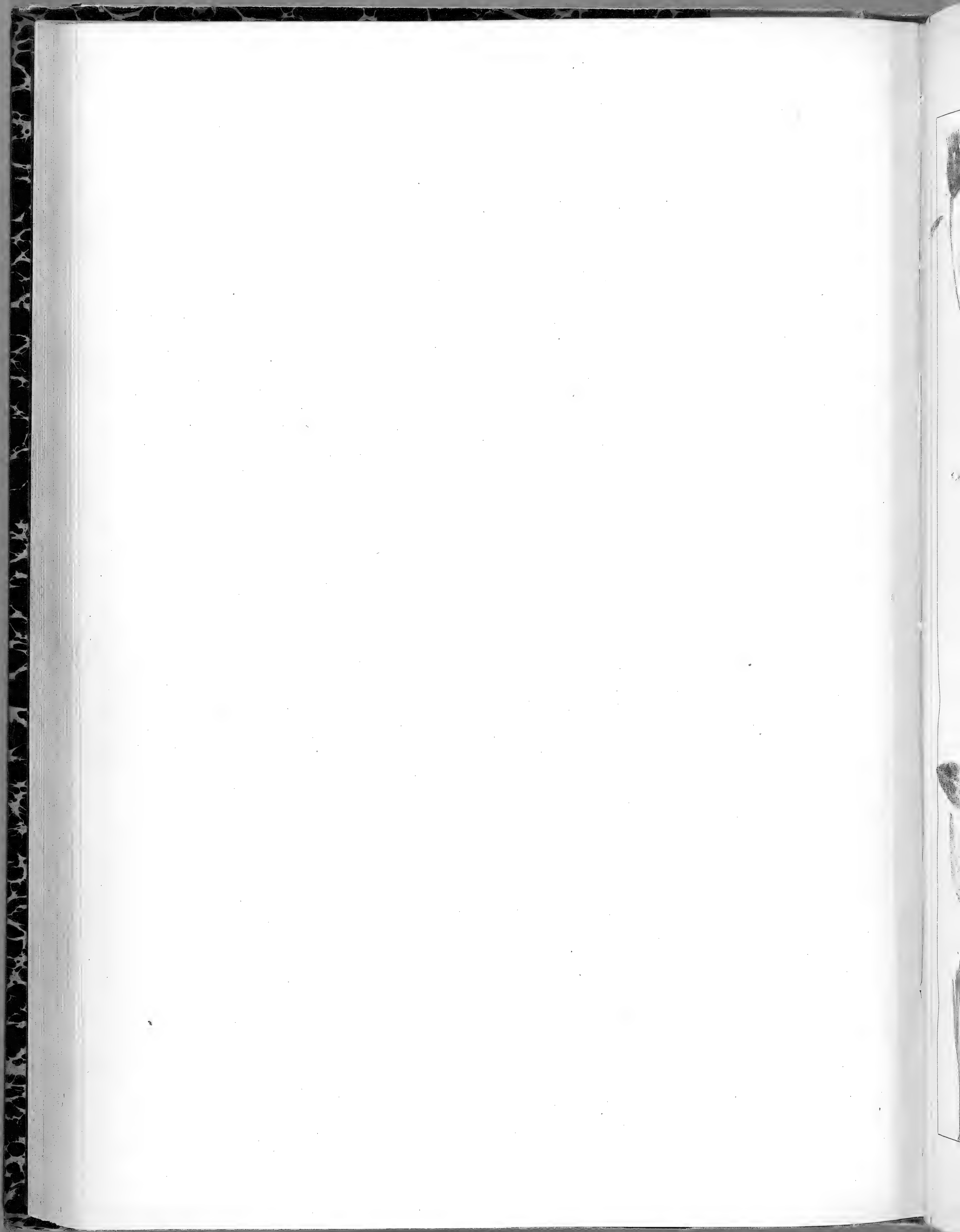








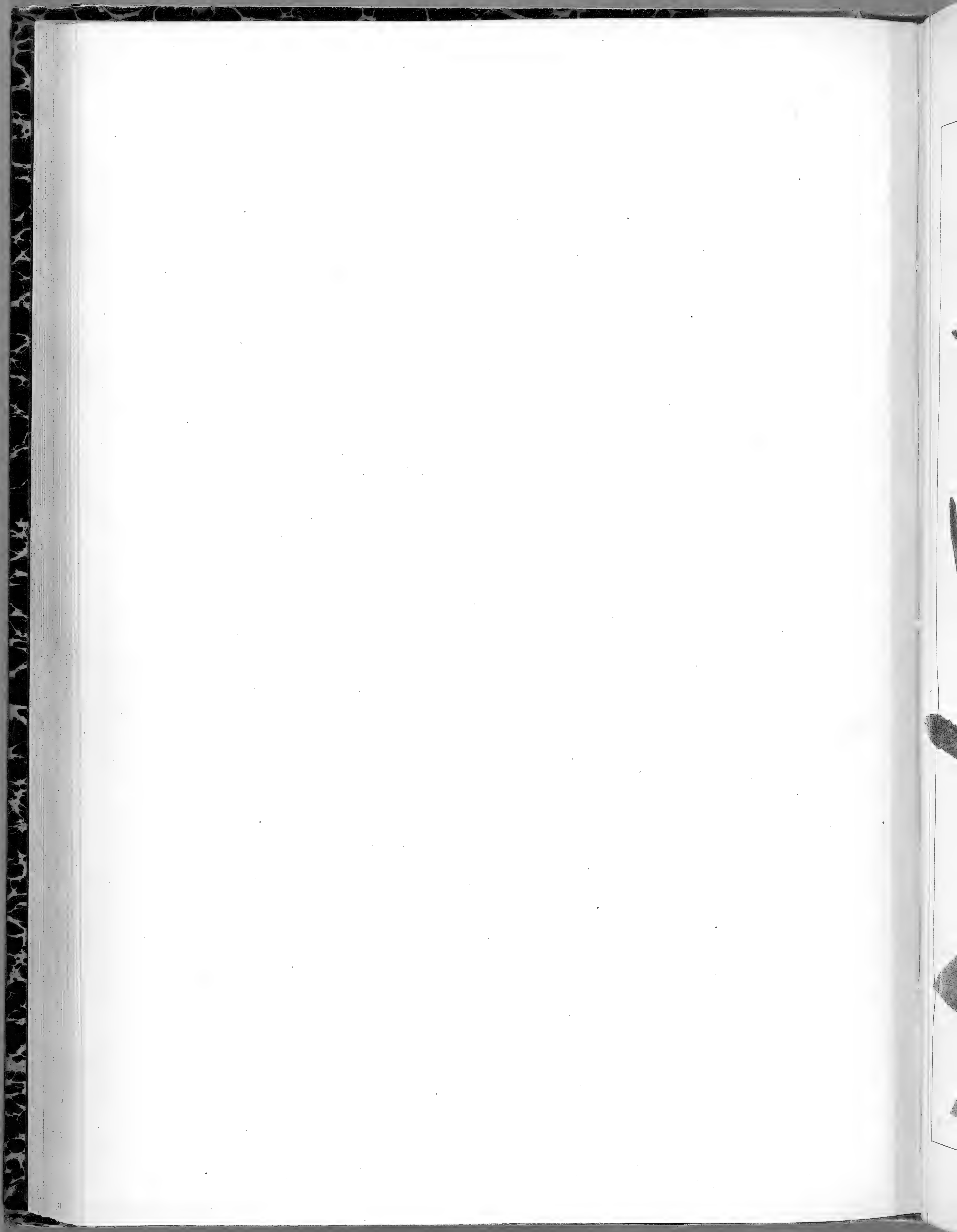
C. PRATENSIS. THUILL. 2



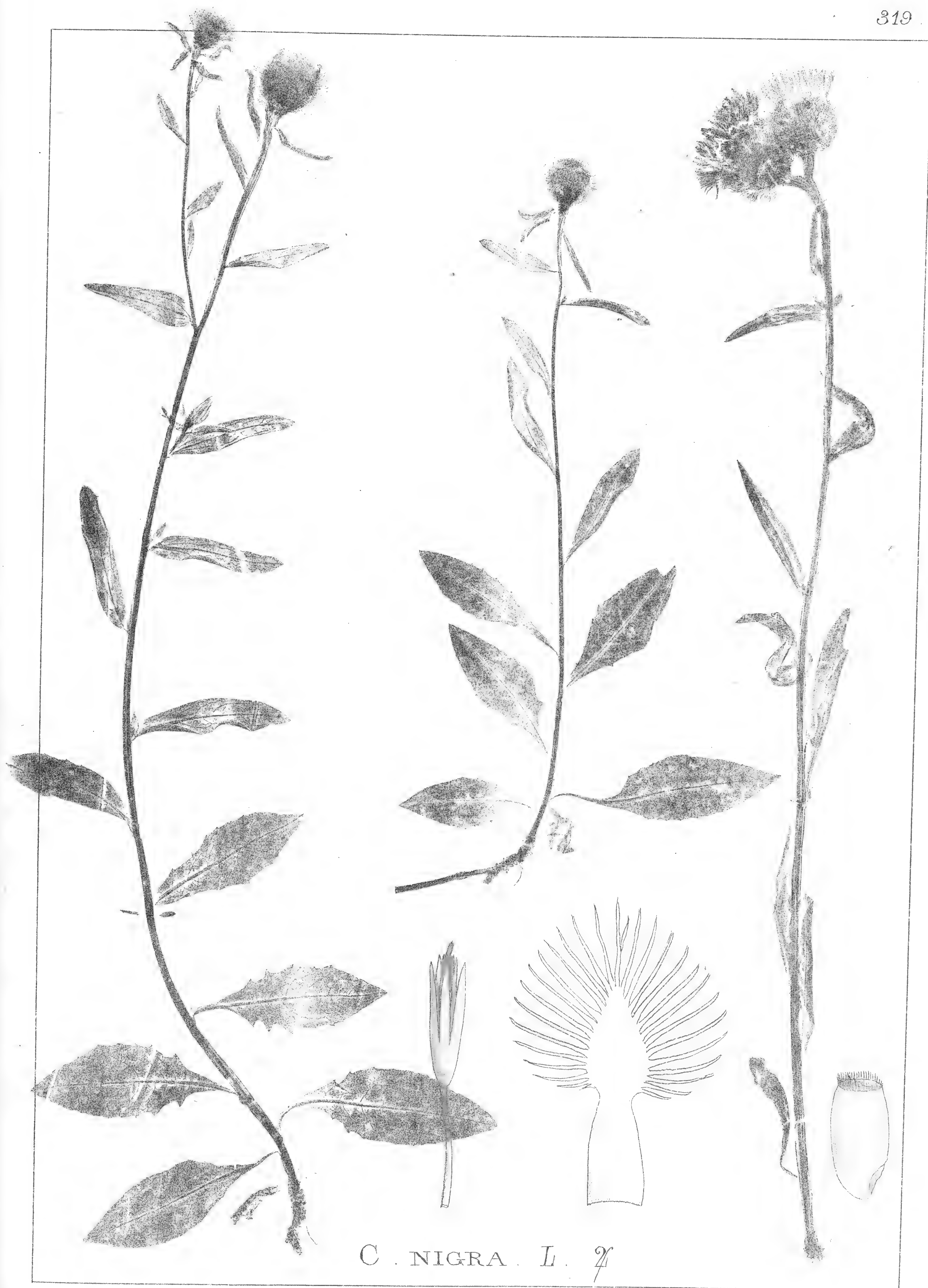




C. NEMORALIS. JORD. 2



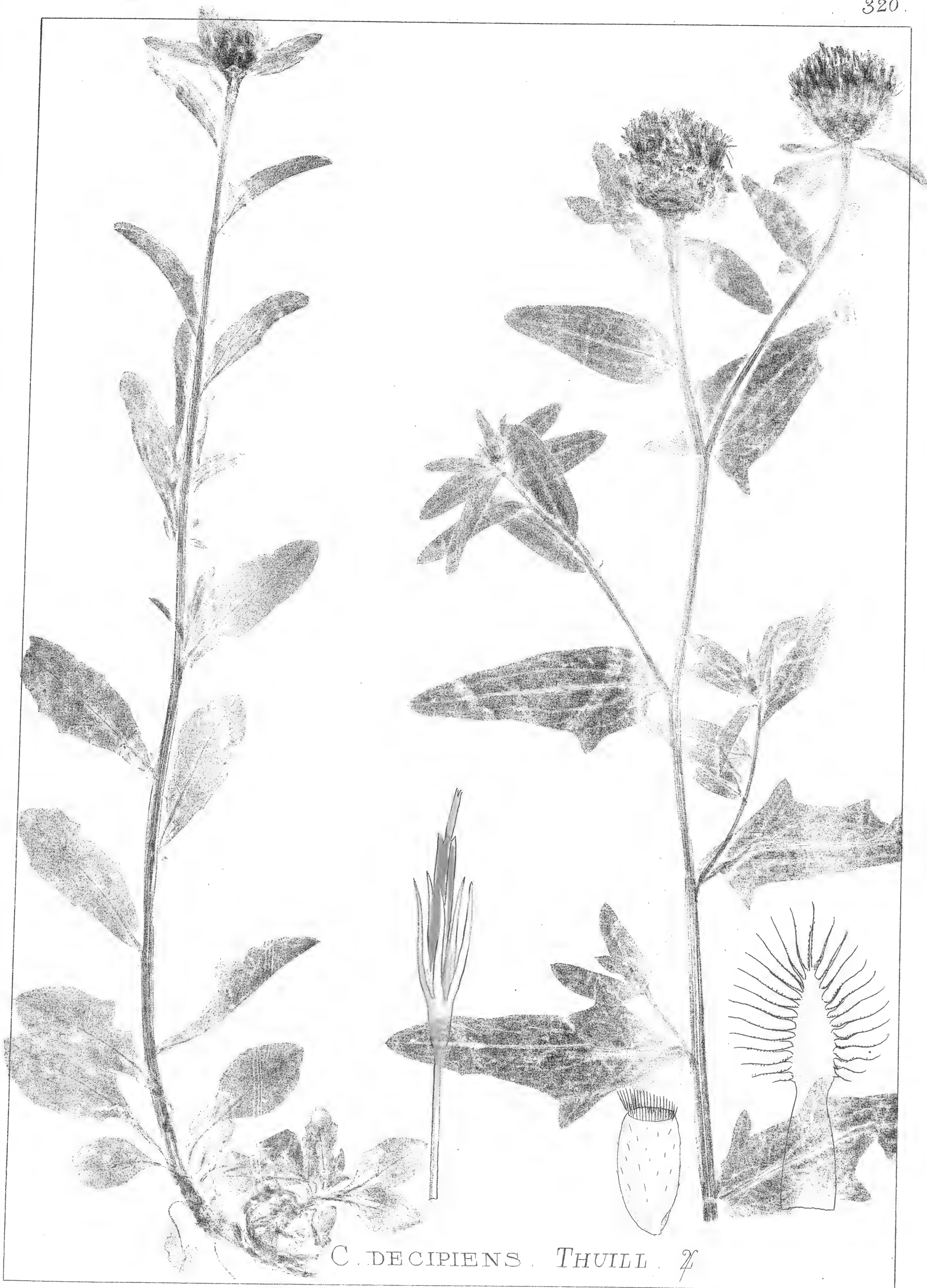




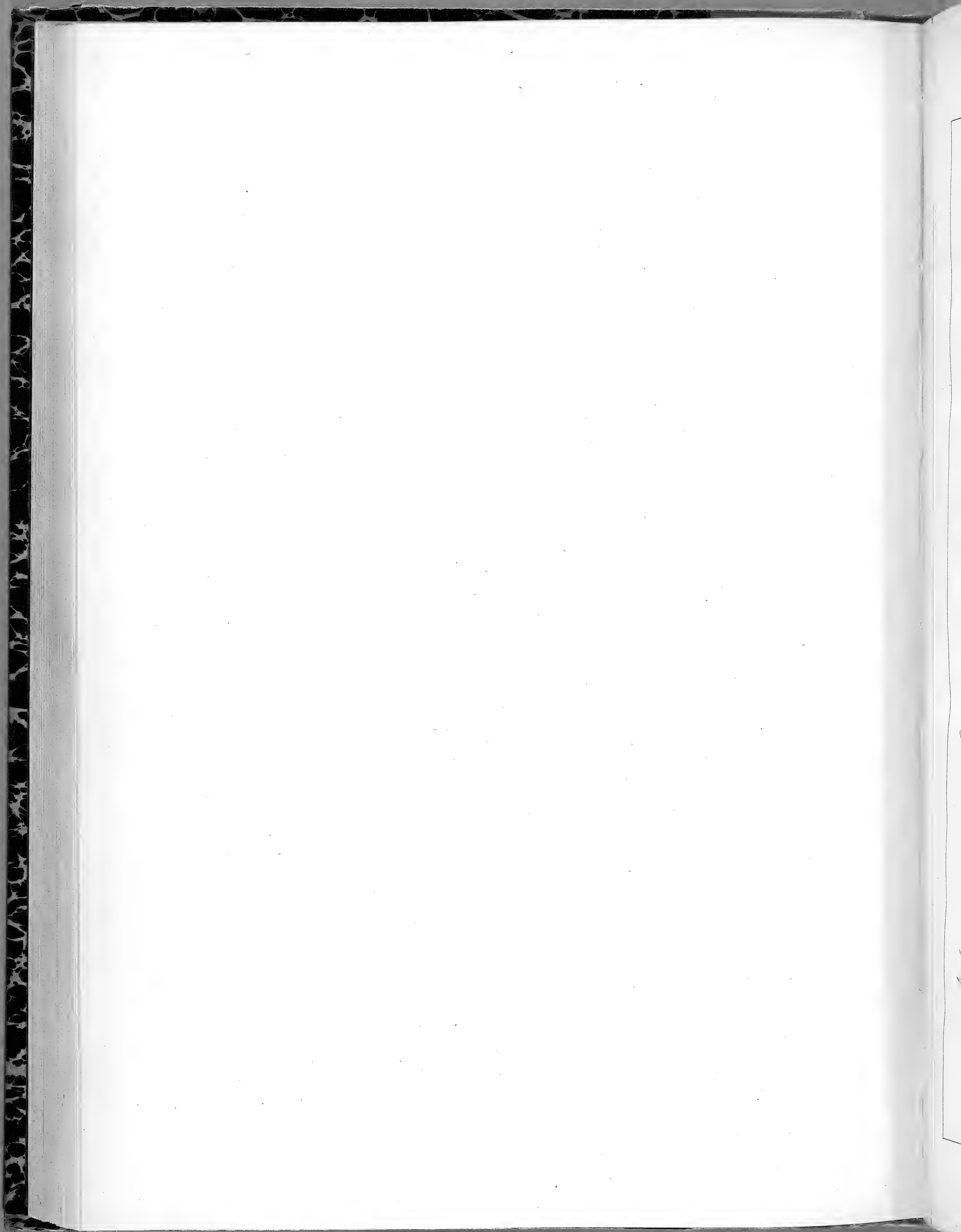
C. NIGRA. L. 2







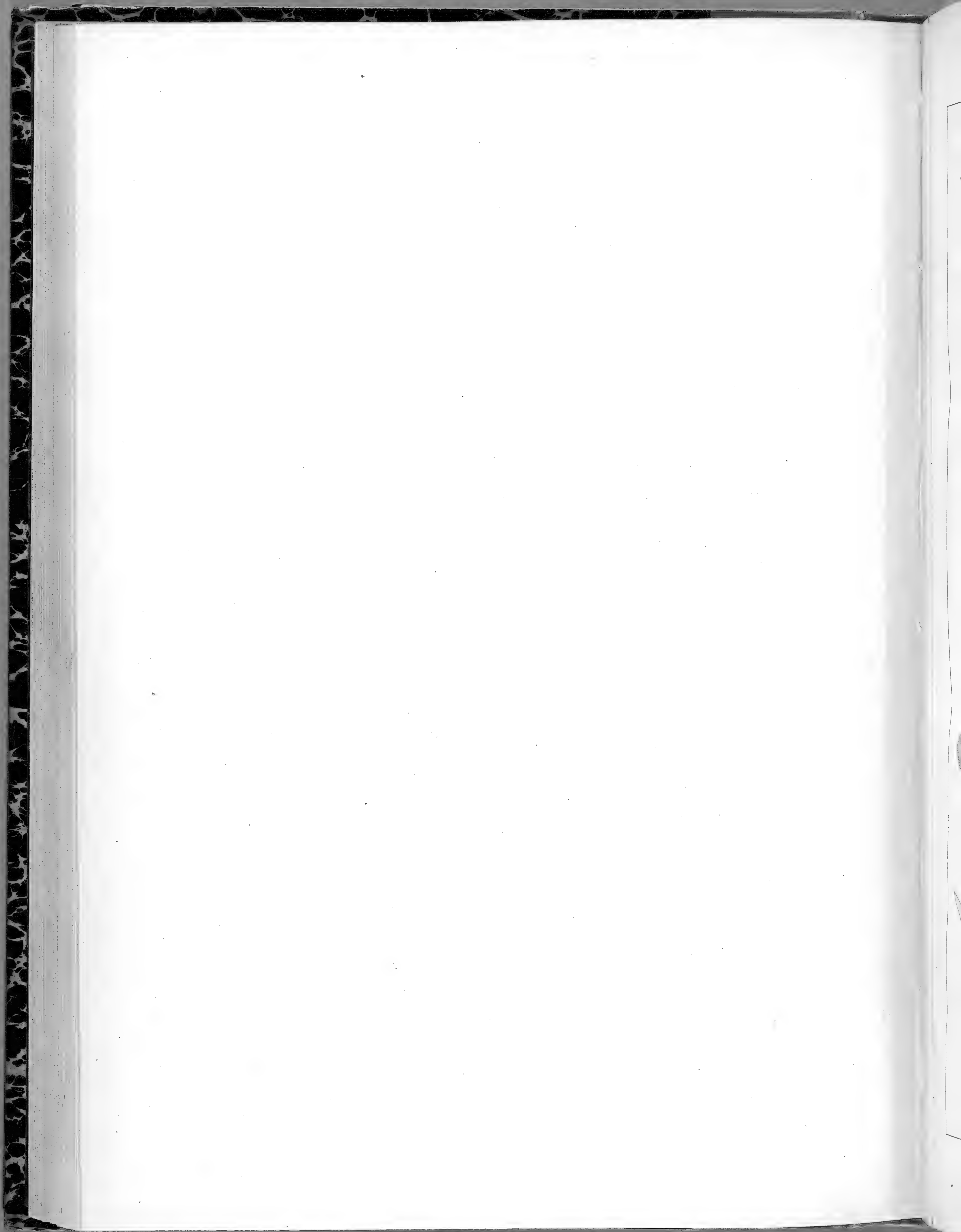
*C. DECIPENS*. THUILL. Z



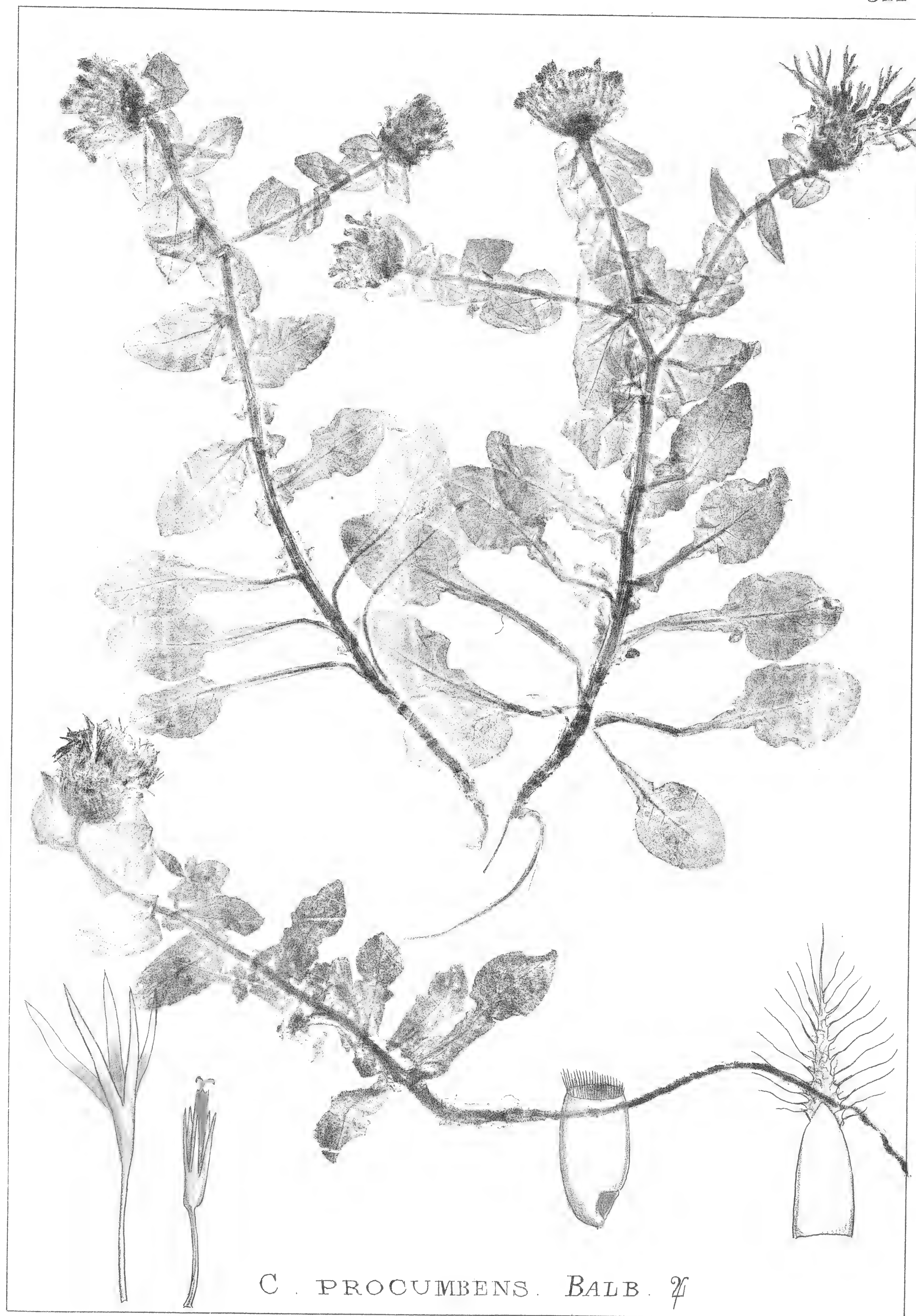




C . MUTABILIS . S<sup>T</sup> AM . 2/













C. JORDINIANA. G. G. 27







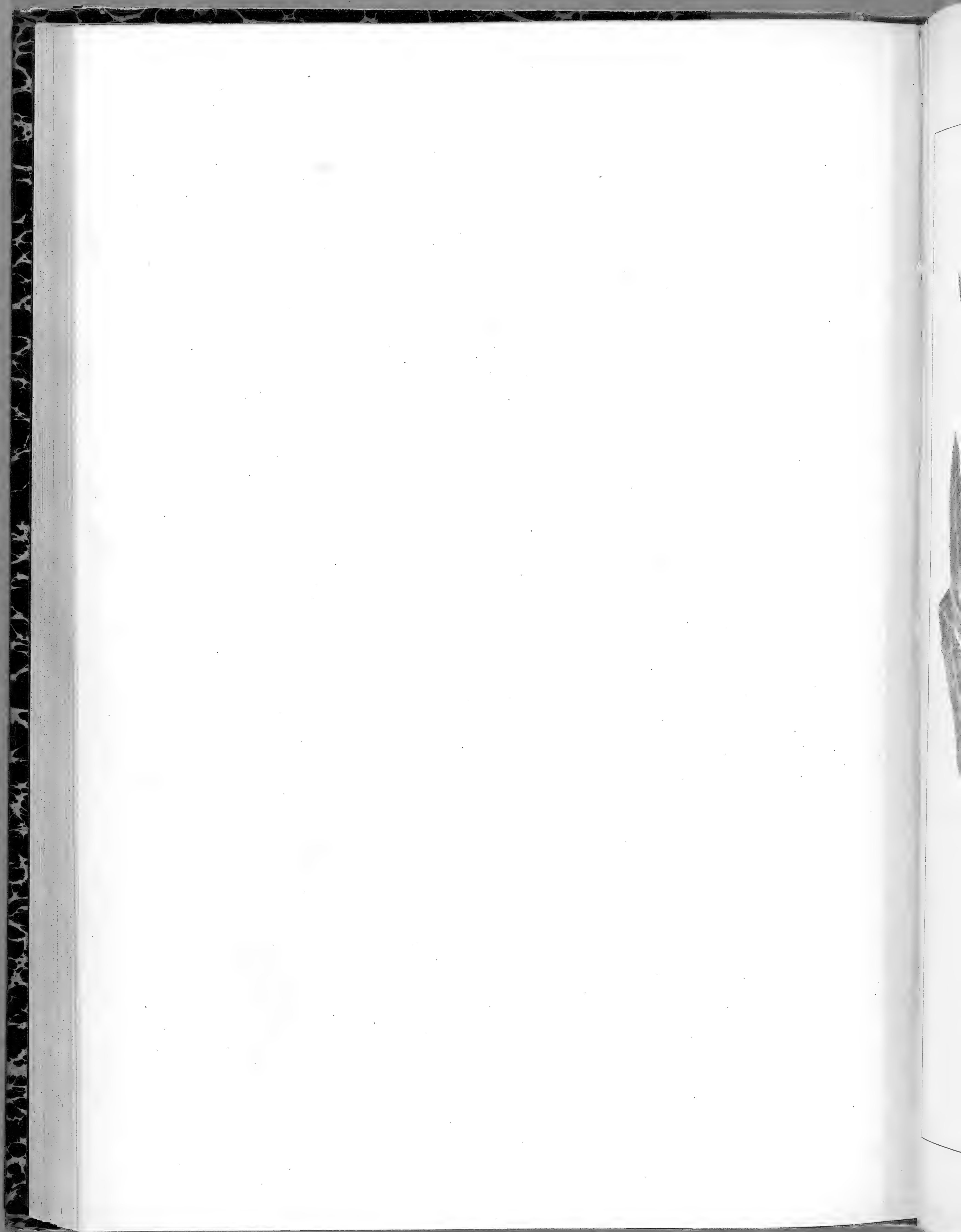
C . PECTINATA . L . ♀







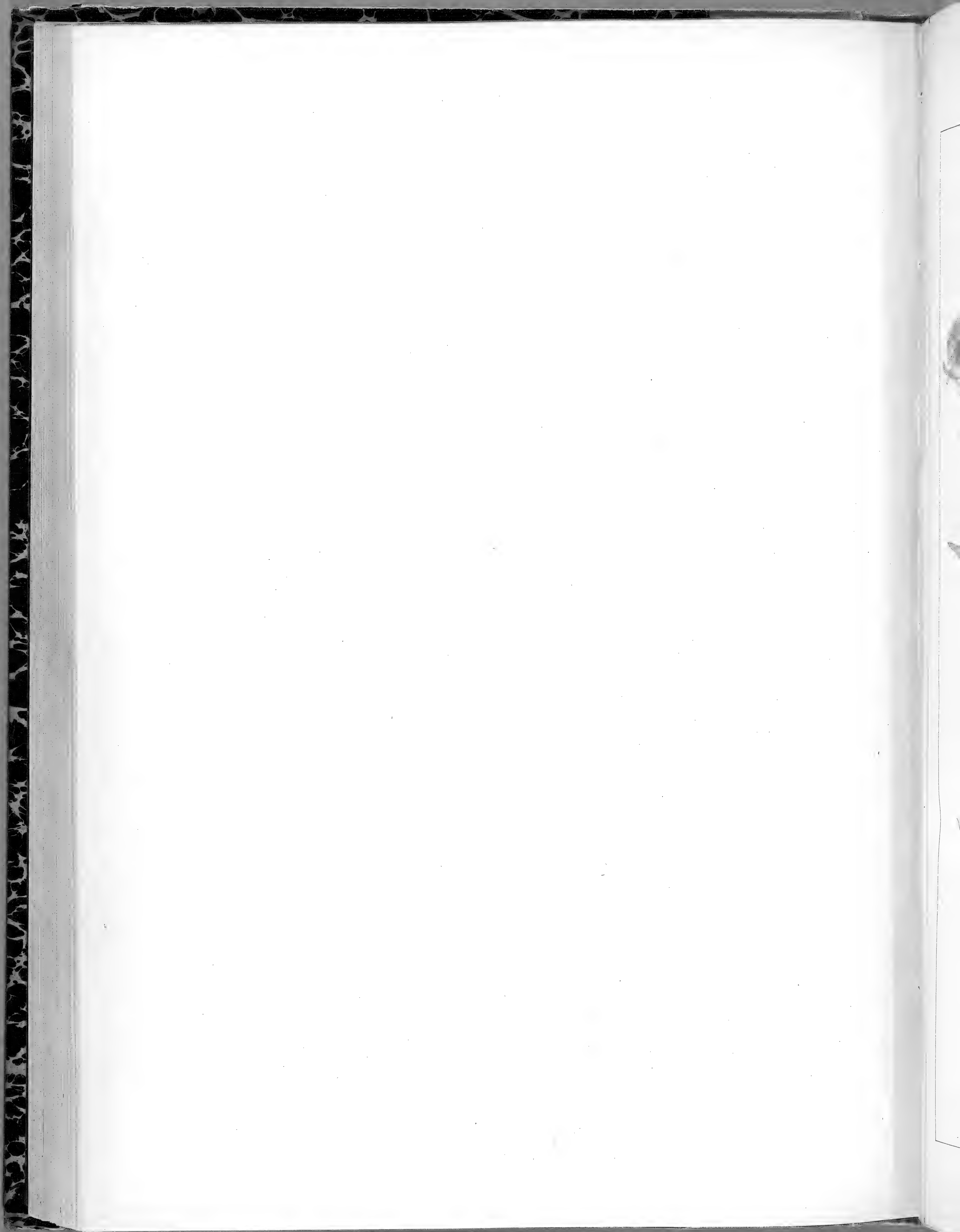
C . UNIFLORA . L. 2







C. NERVOSA. WILLD. ♀







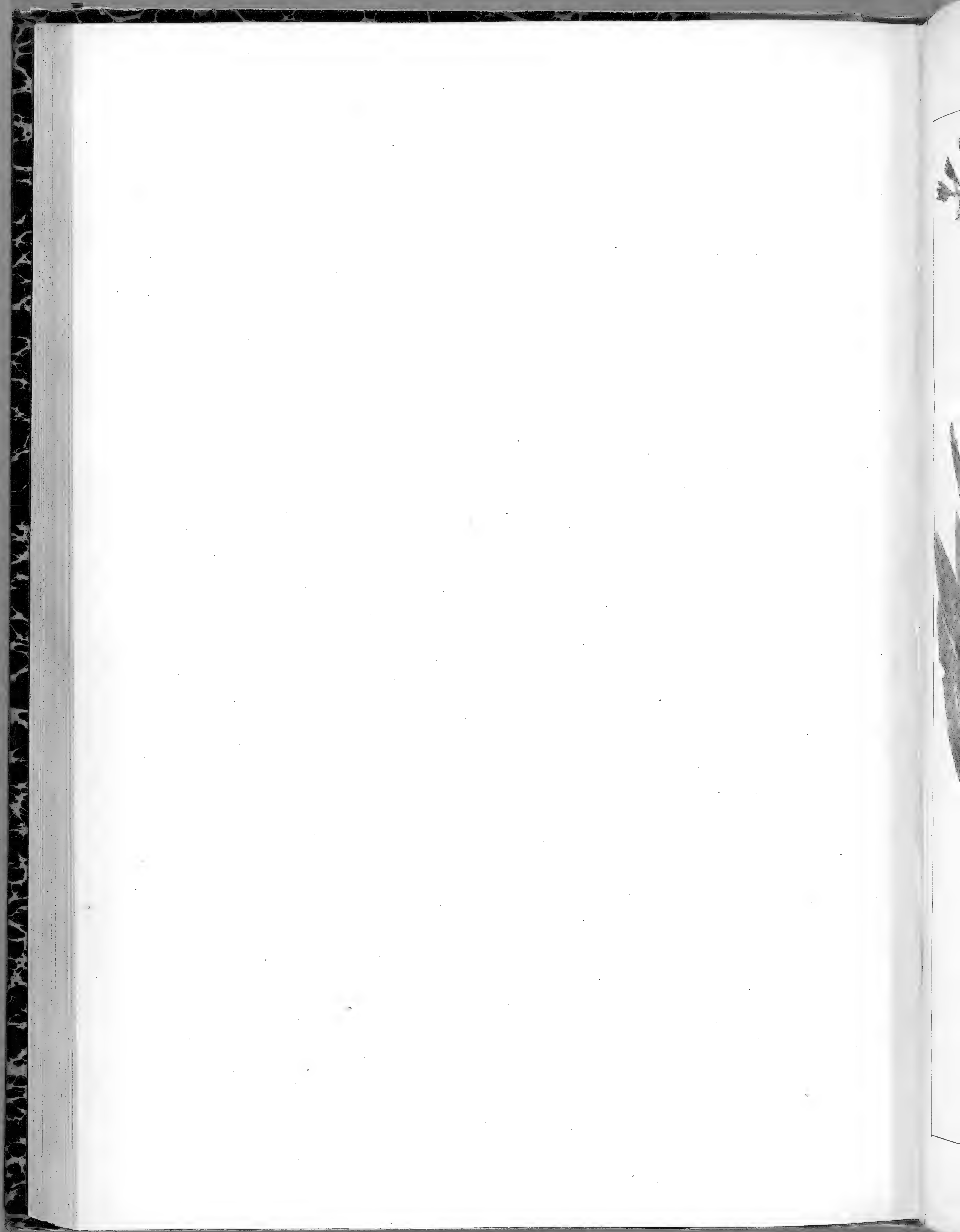
C . FERDINANDI . GR. 2







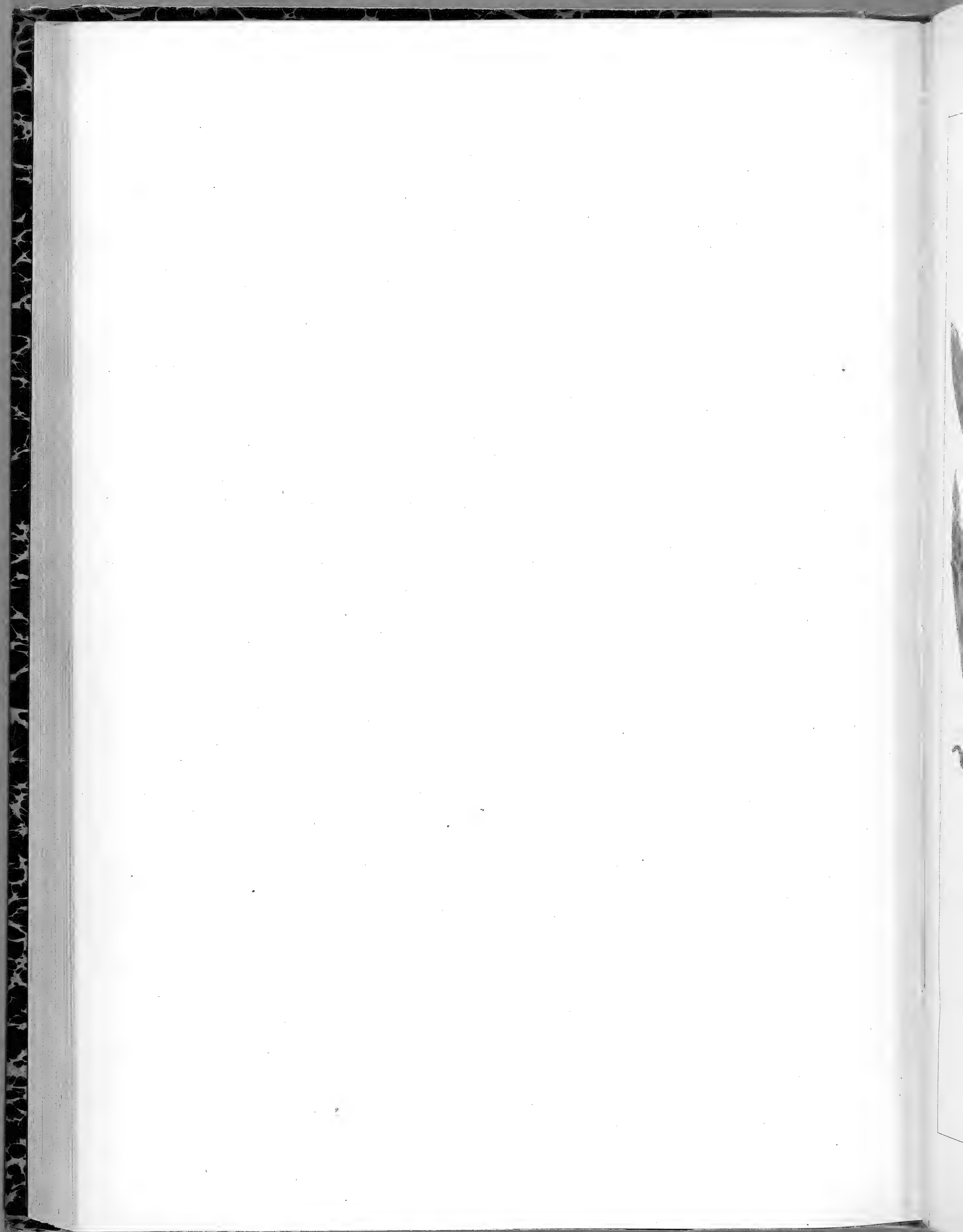
*C. pullata*. L. ②







C . MONTANA . L.  $\gamma$







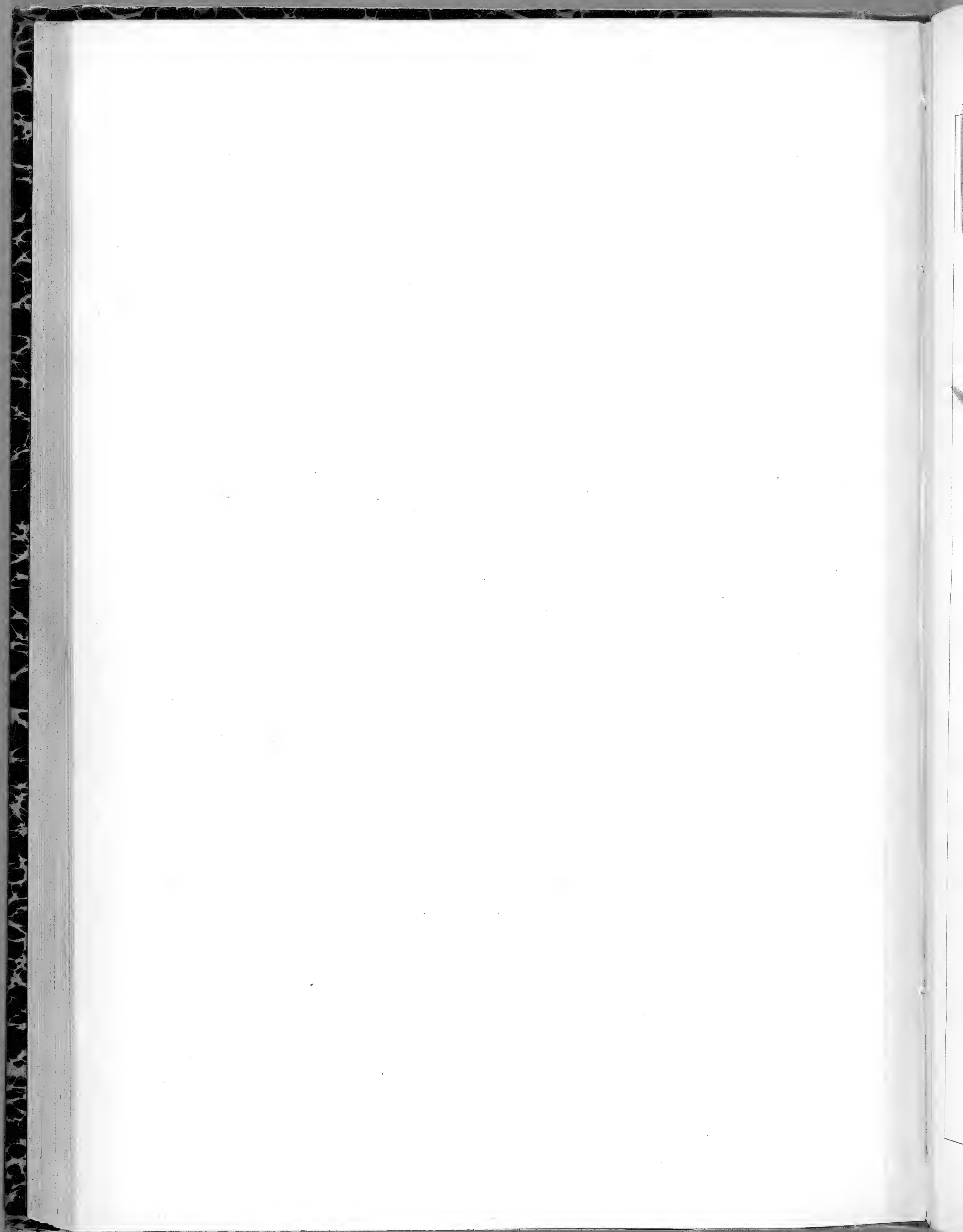
C. MONTANA. L. Var. pyrenica.







C. LUGDUNENSIS. JORD. 21







C. LUGDUNENSIS. ((C. intermedia, Car.)







C . SEMIDECURRENS . JORD . 24







C. AXILLARIS. Willd. ♀







C. SEUSEANA. CHAIX. 21







C. CYANUS. L. (2)







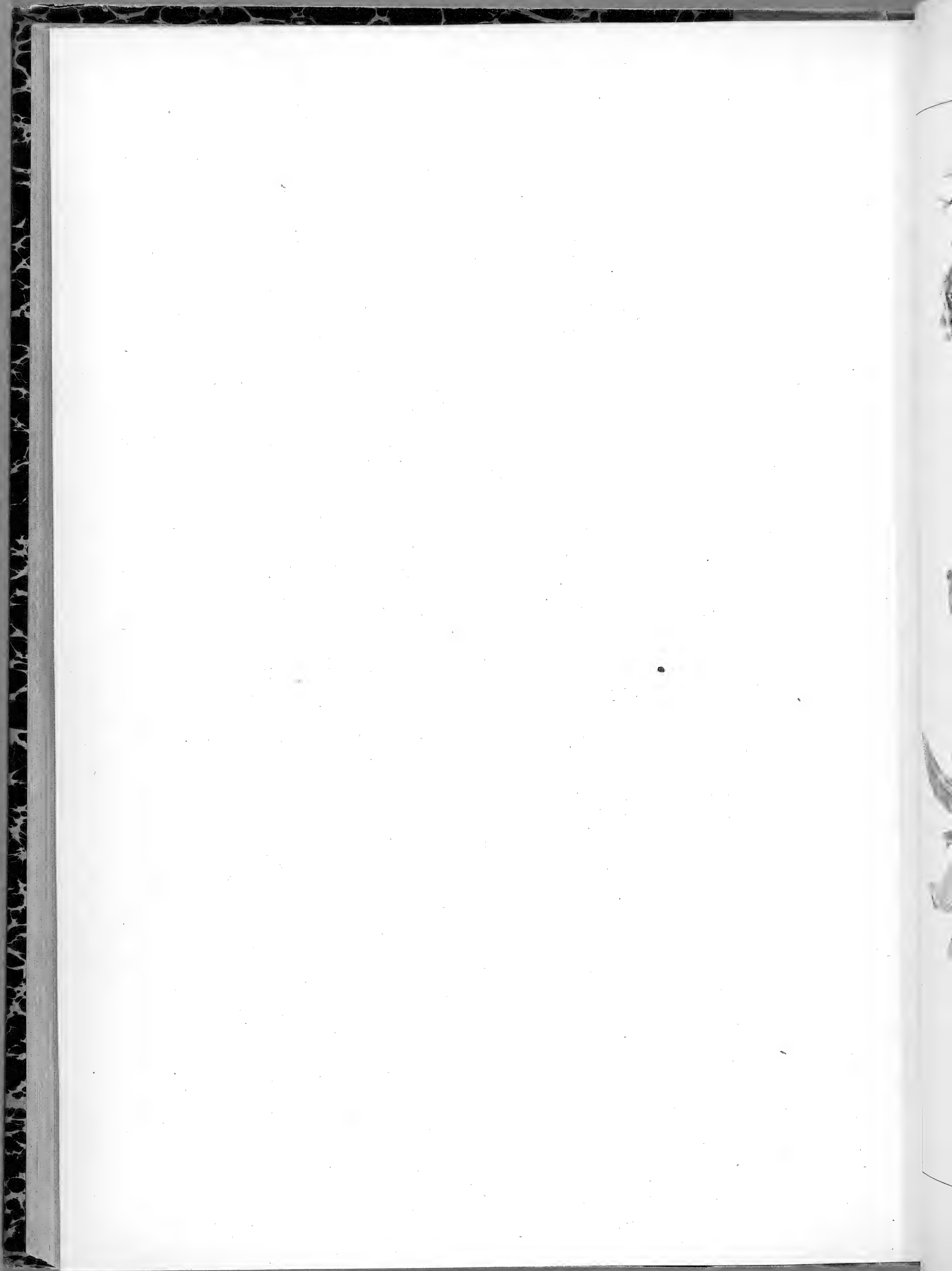
C. CINEREA. LAMK. ♀







C. SCABIOSA. L. 2





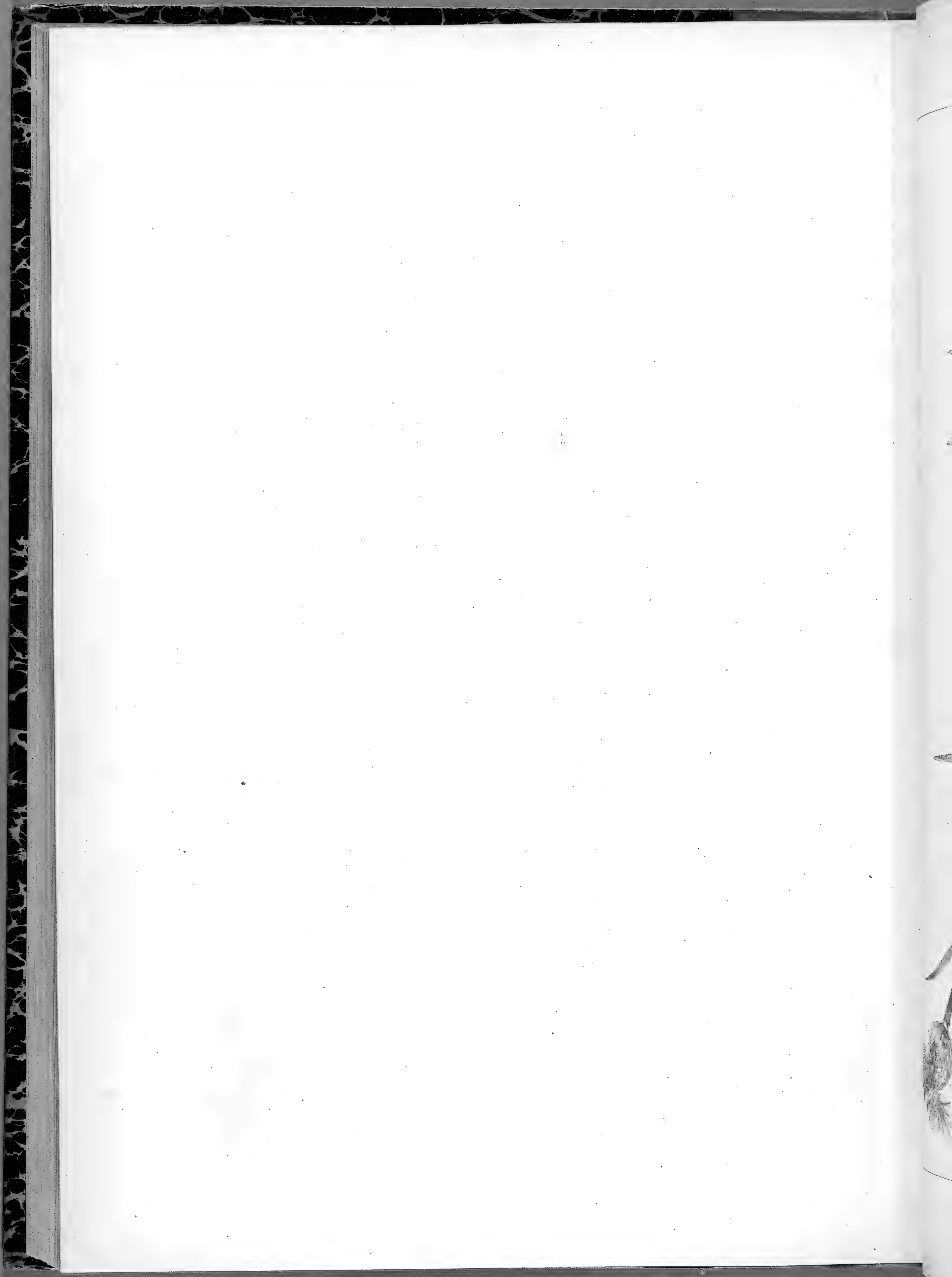


C. CALCAREA . JORD. ♀













C. SEMPERVIRENS. L. 5



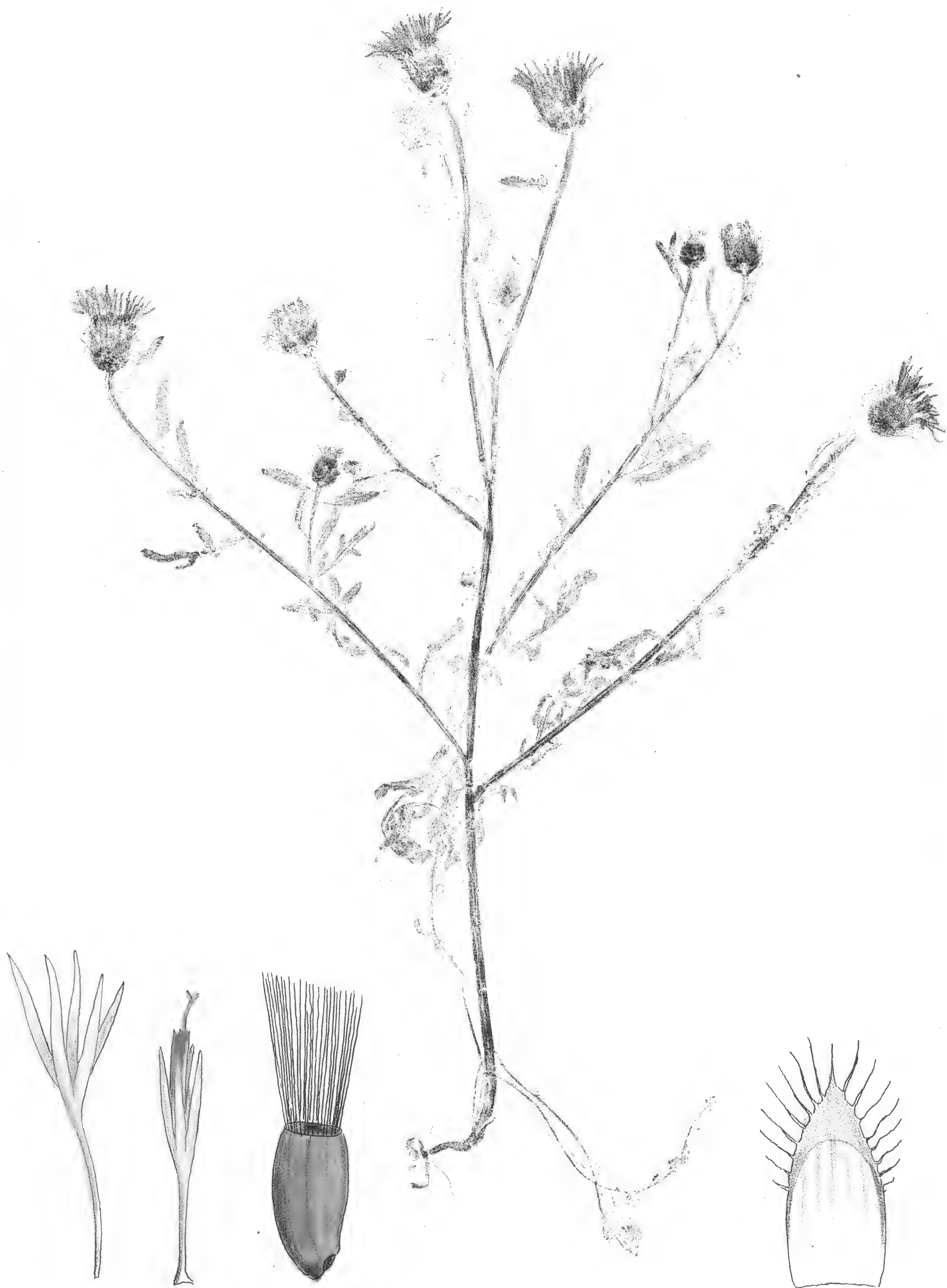




C. INTYBACEA LAMK. ♂







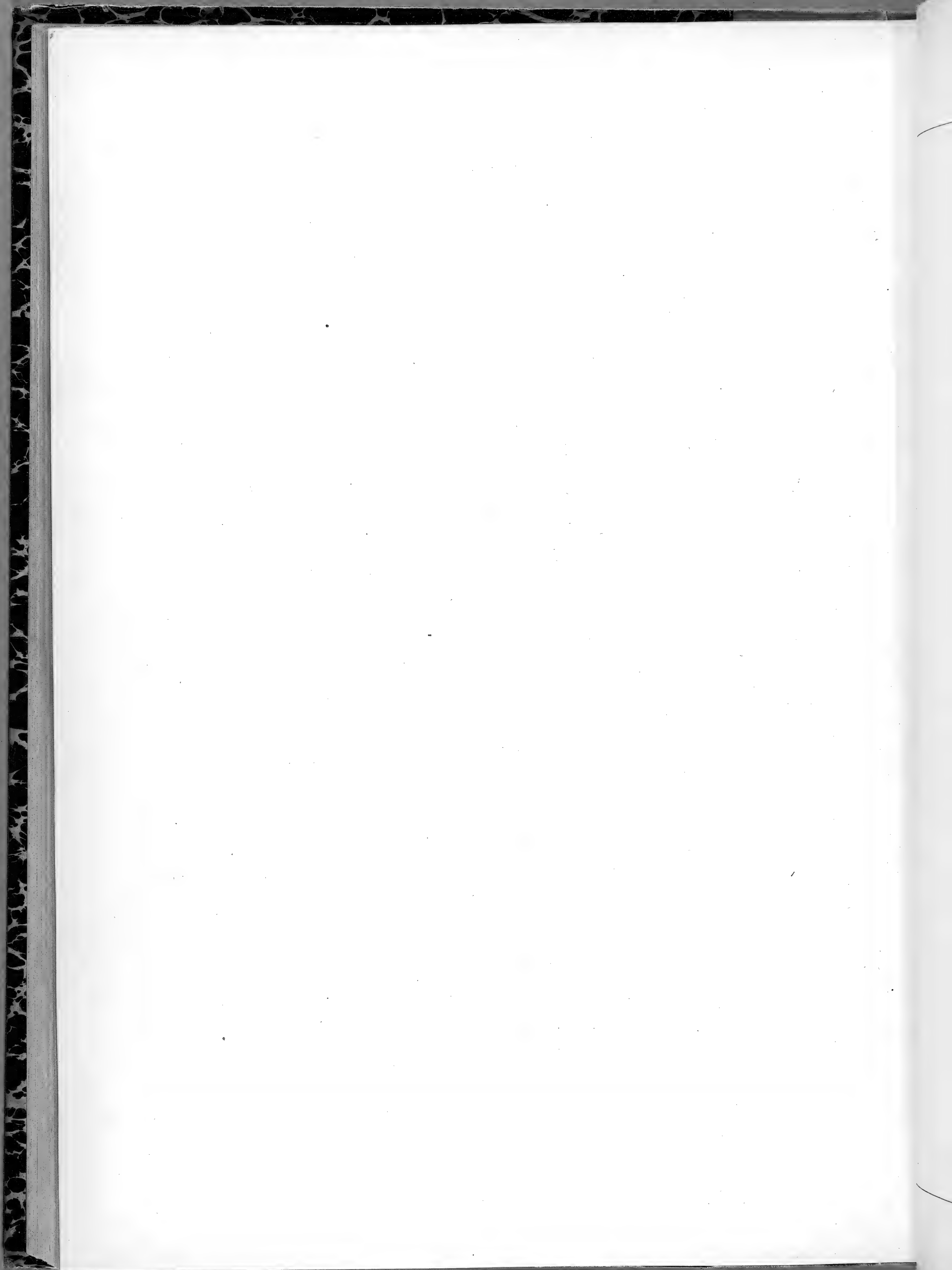
*C. CORYMBOSA. POURR. ②*



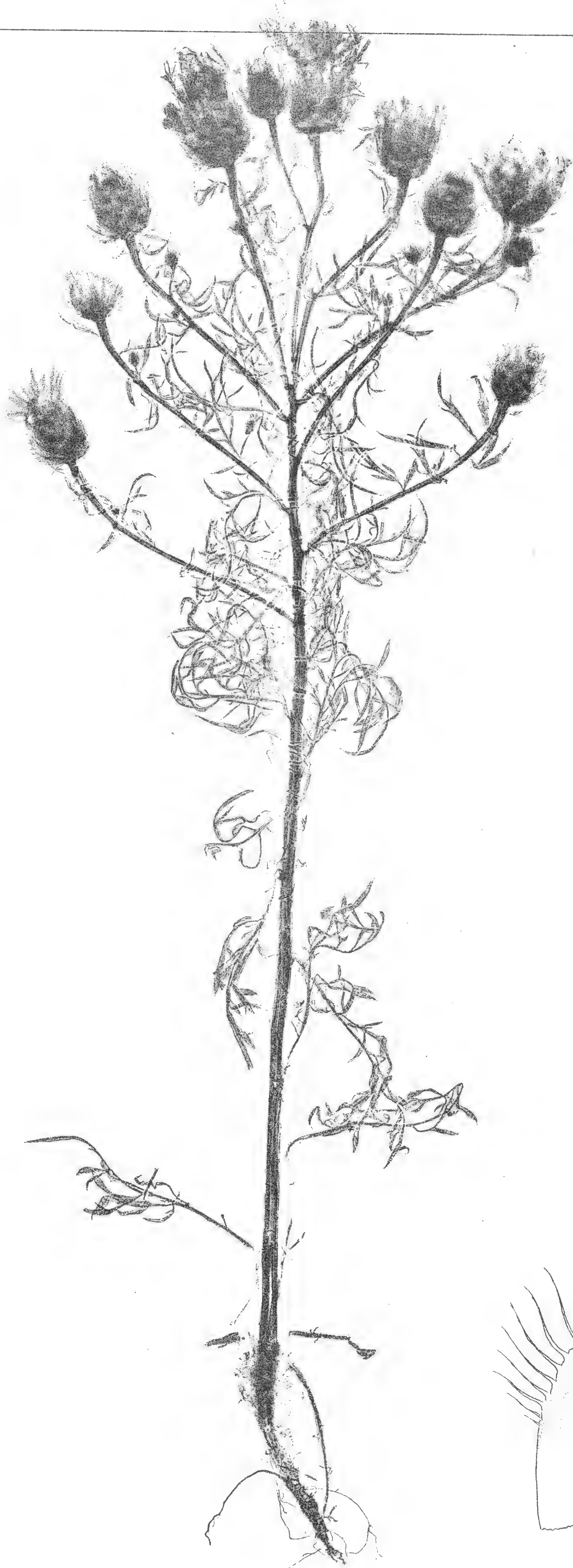




*C. MACULOSA*. LAMK. ②



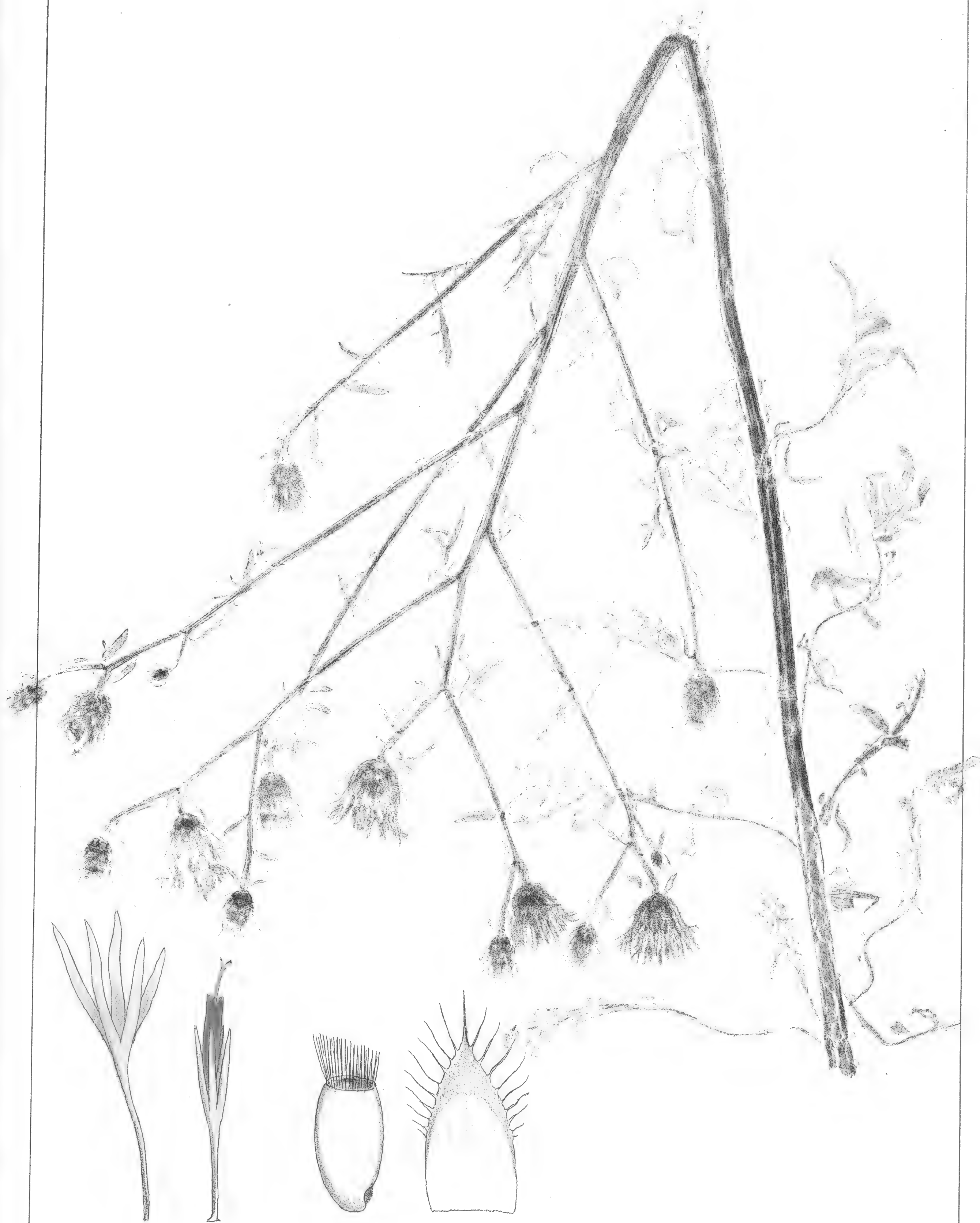




C. MACULOSA (C. tenuisecta, Ford) ②







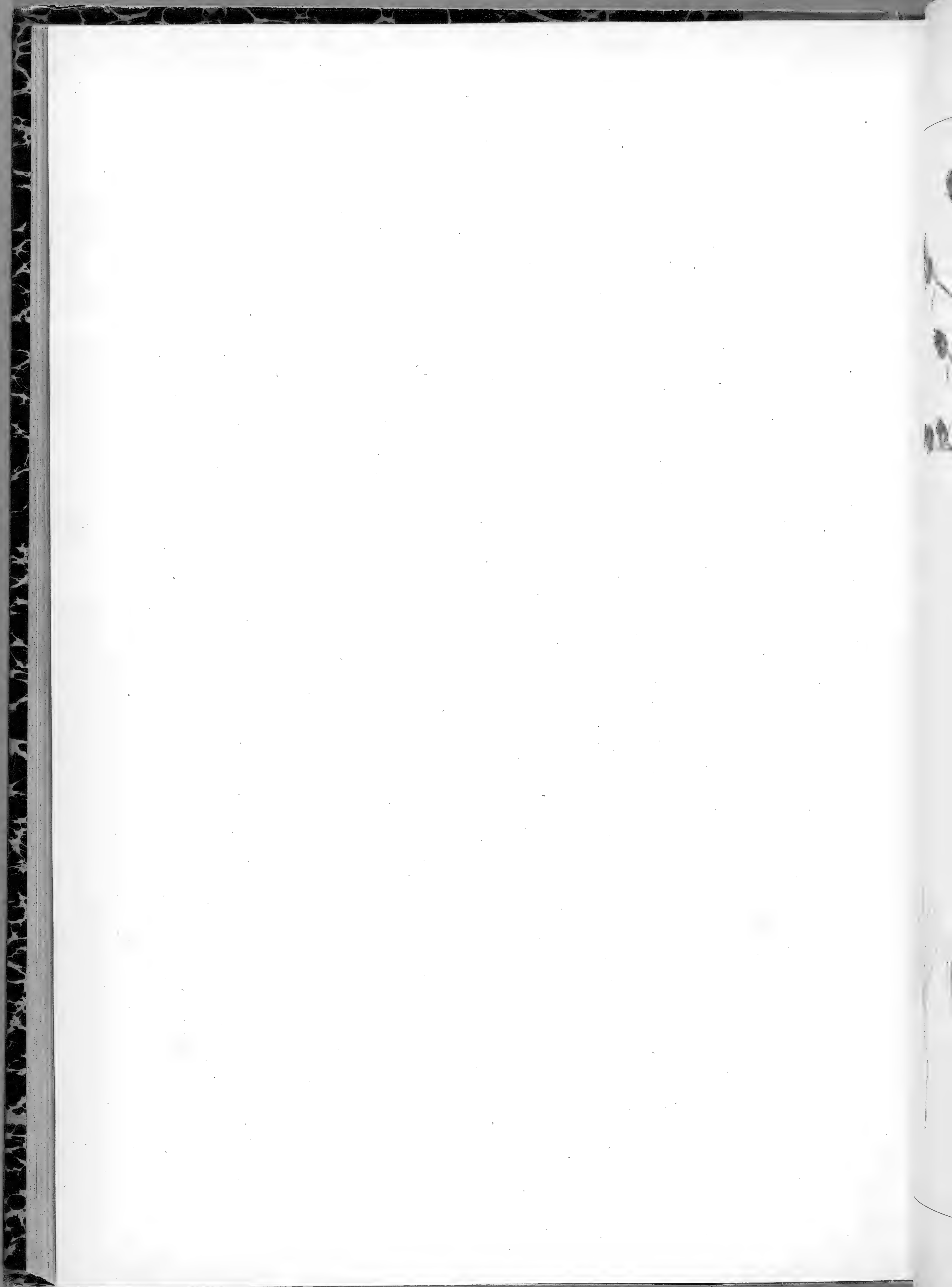
C. CAERULESCENS. WILLD. ②







C. HANRUI. JORD. ② 2







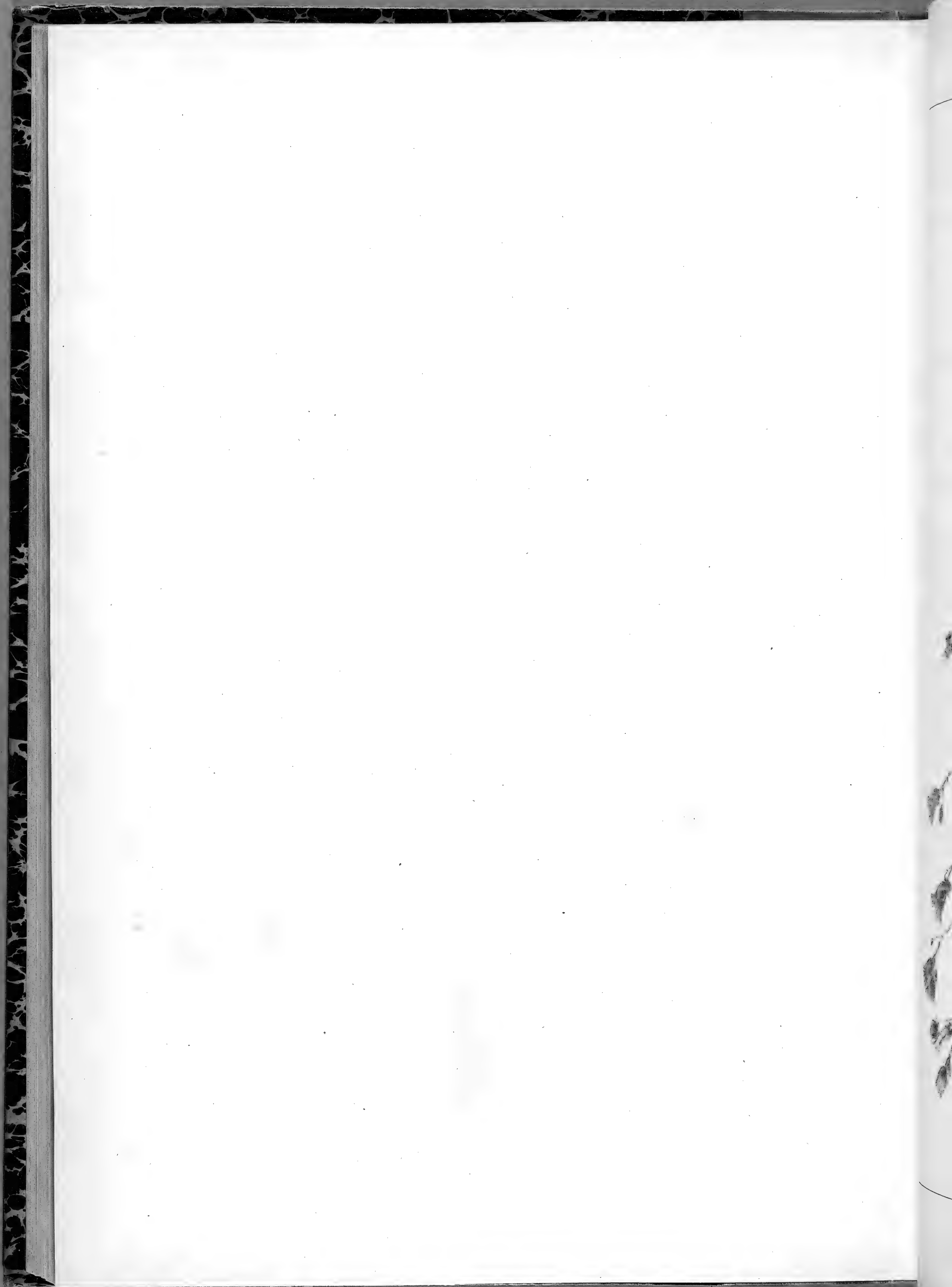
*C. LEUCOPHÆA*. JORD. ②







*C. PANICULATA*. L. (2)







*C. RIGIDULA*. JORD. ② 4



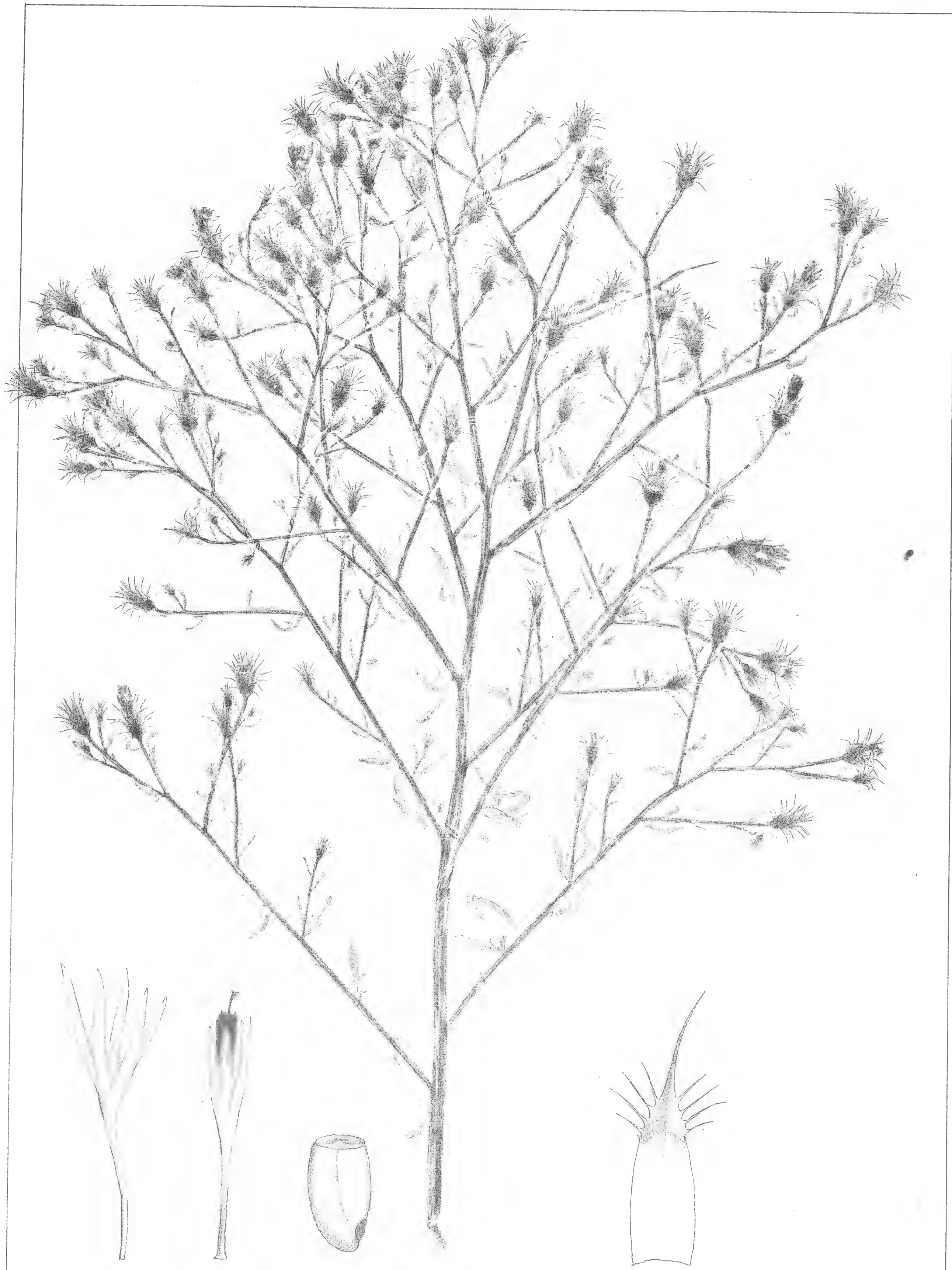




*C. POLYCEPHALA*. JORD. ②







*C. DIFFUSA* LAMK. ②







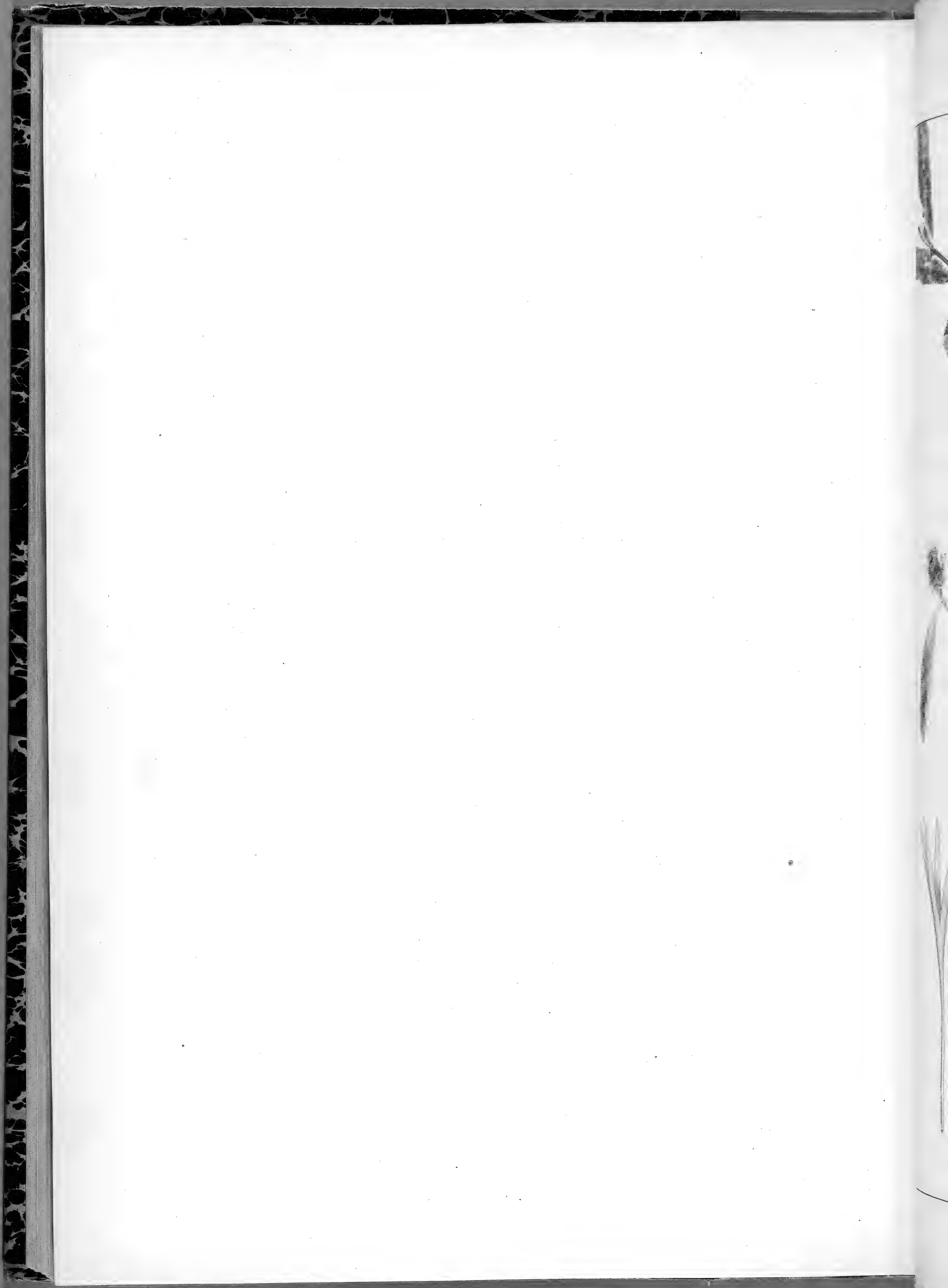
C. COLLINA. L. ♂





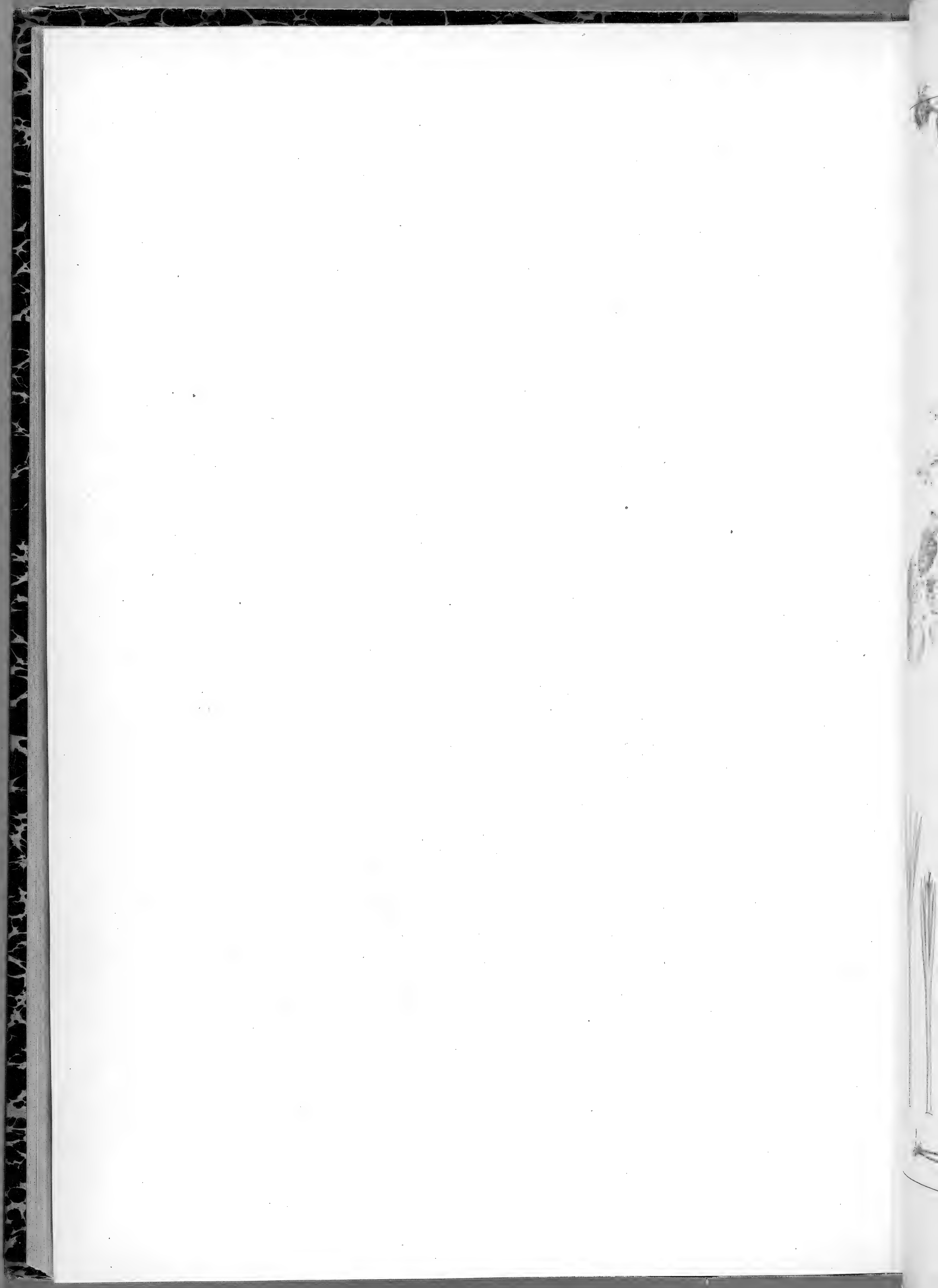


C. NAPIFOLIA L. ①

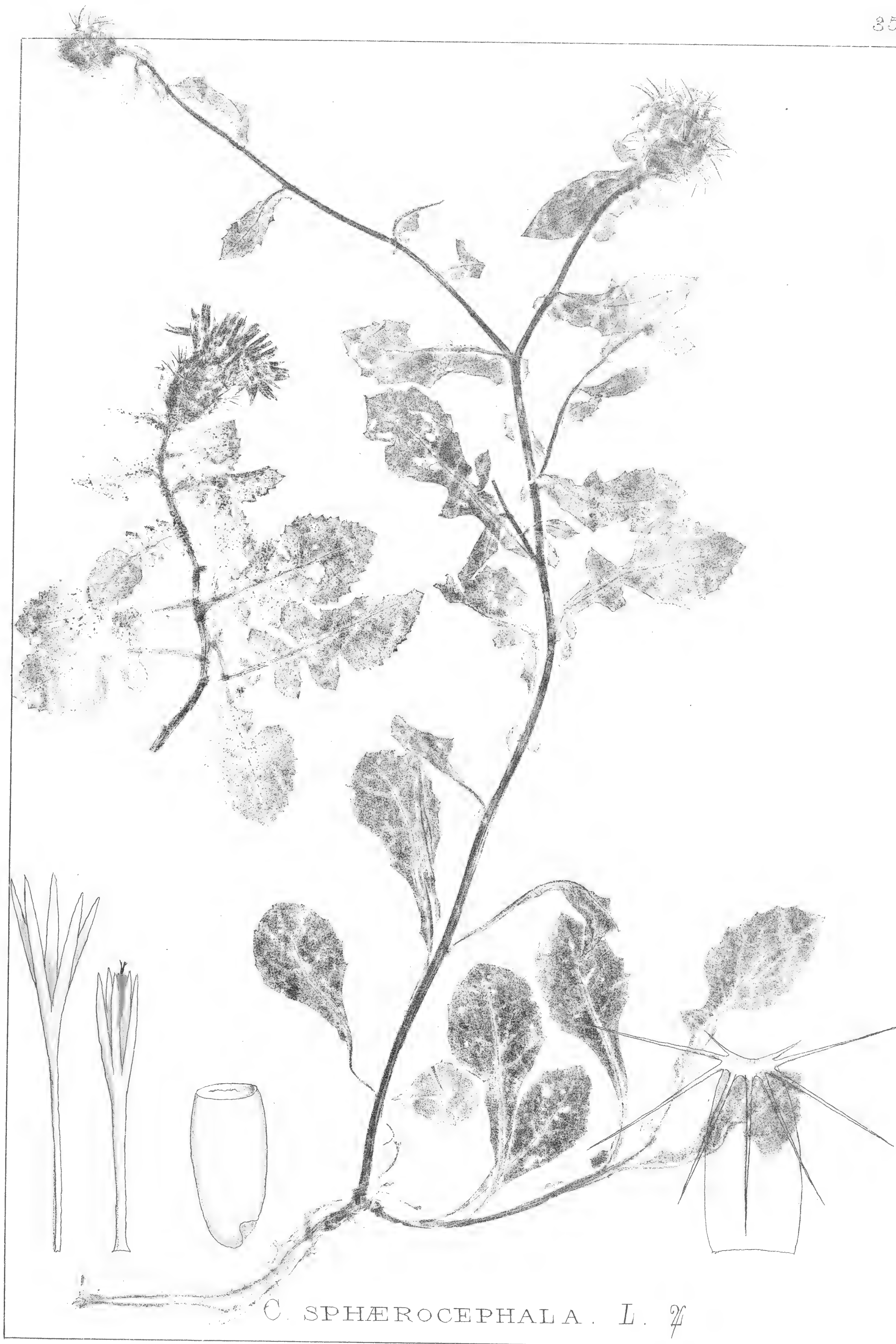




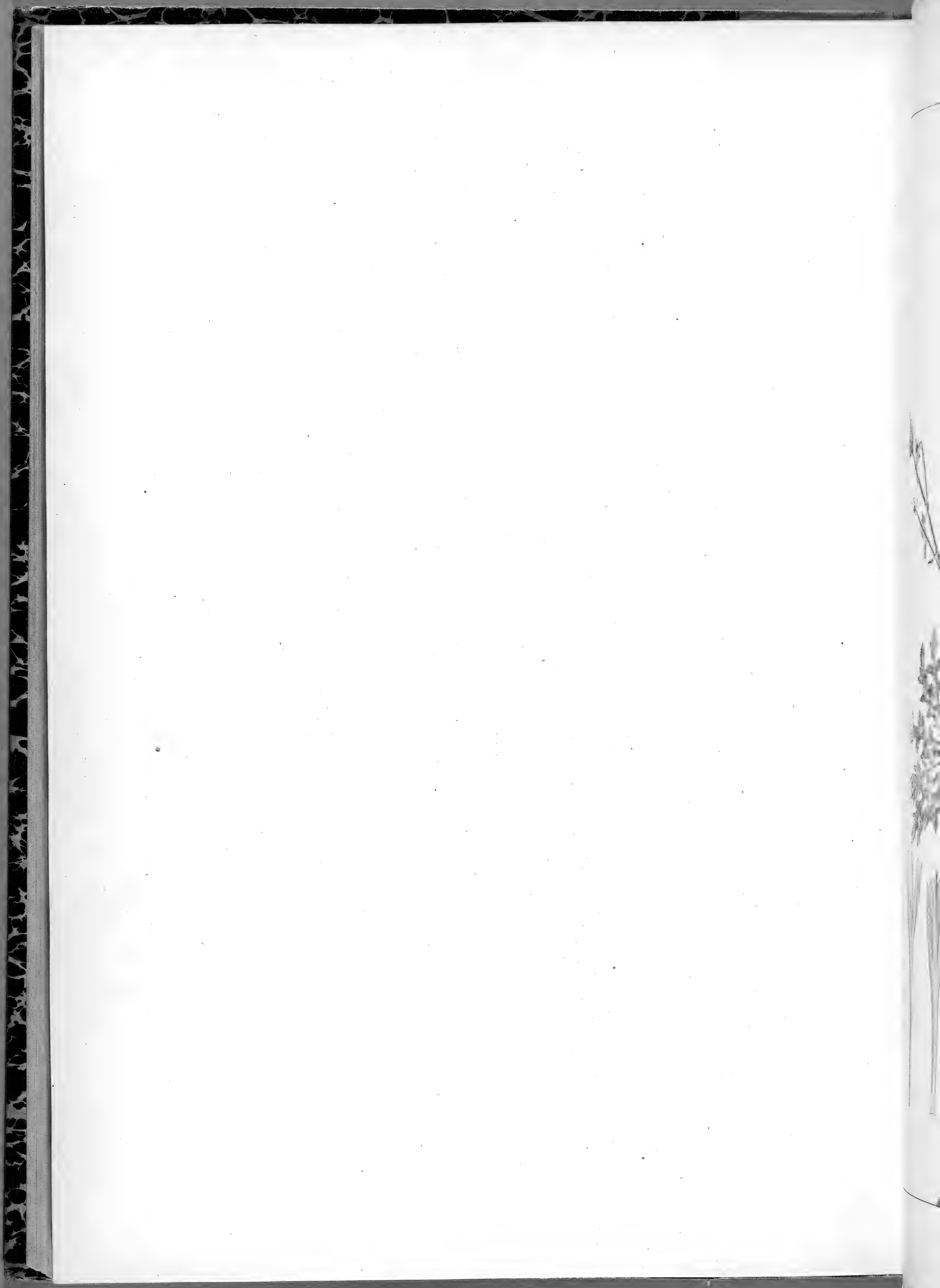




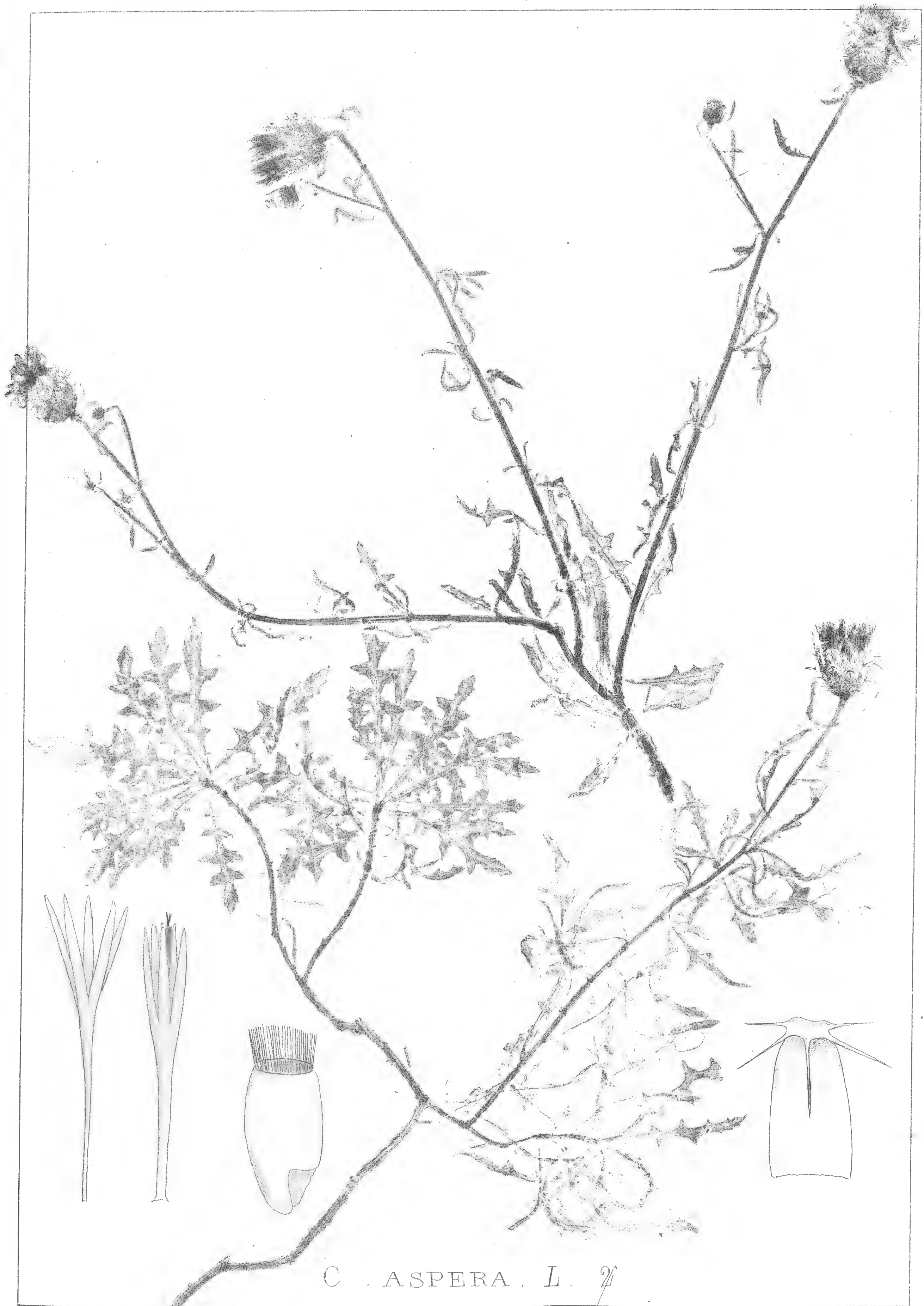




*C. SPHÆROCEPHALA*. L. 2





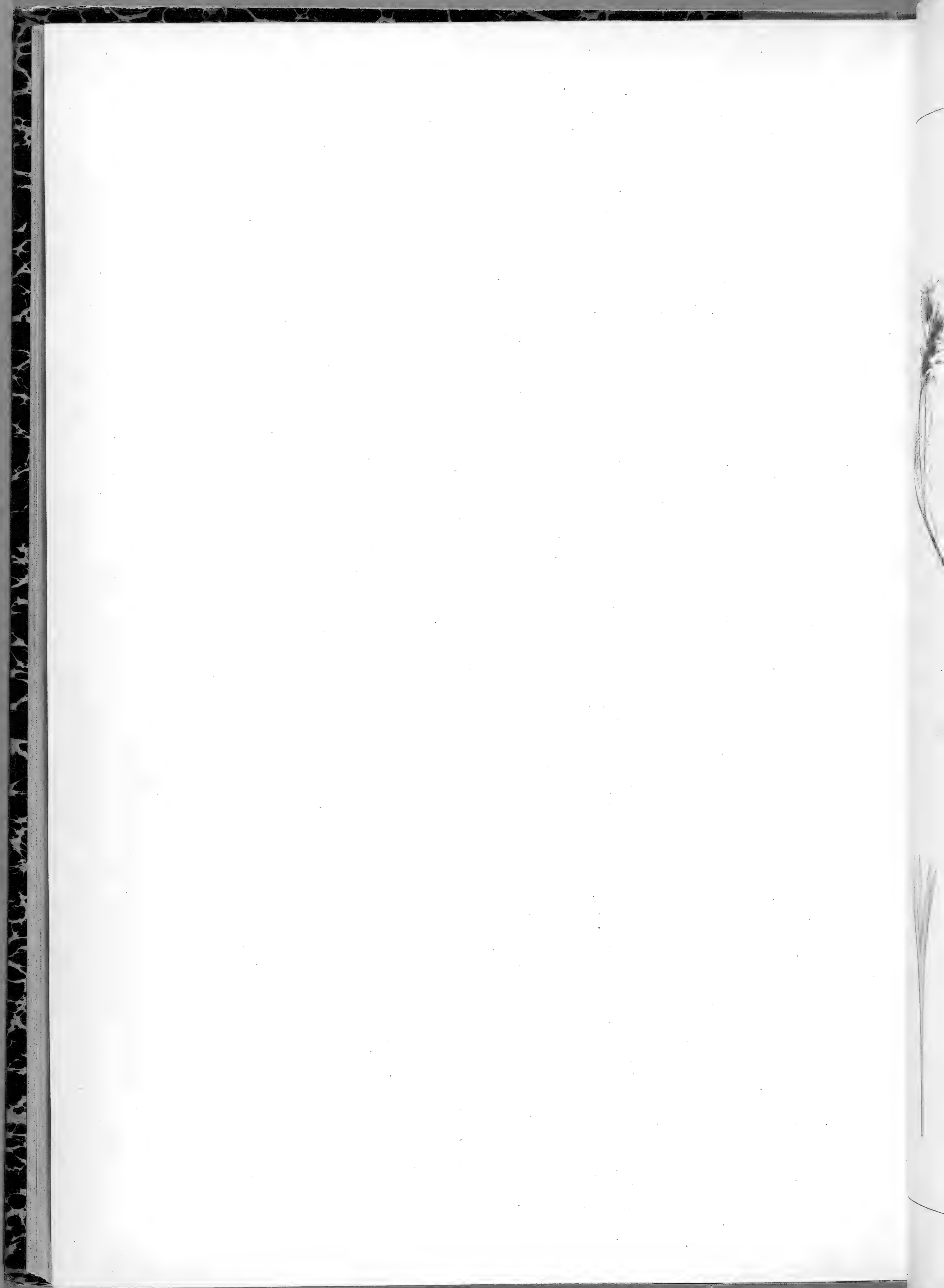


*C. ASPERA*. L. 2













*C. calcitrapo-aspera*. G. G. ②







C . CALCITRAPA . L . ②







*C. TRICHACANTHA*. D. C. ②







C. MELITENSIS. L. ④







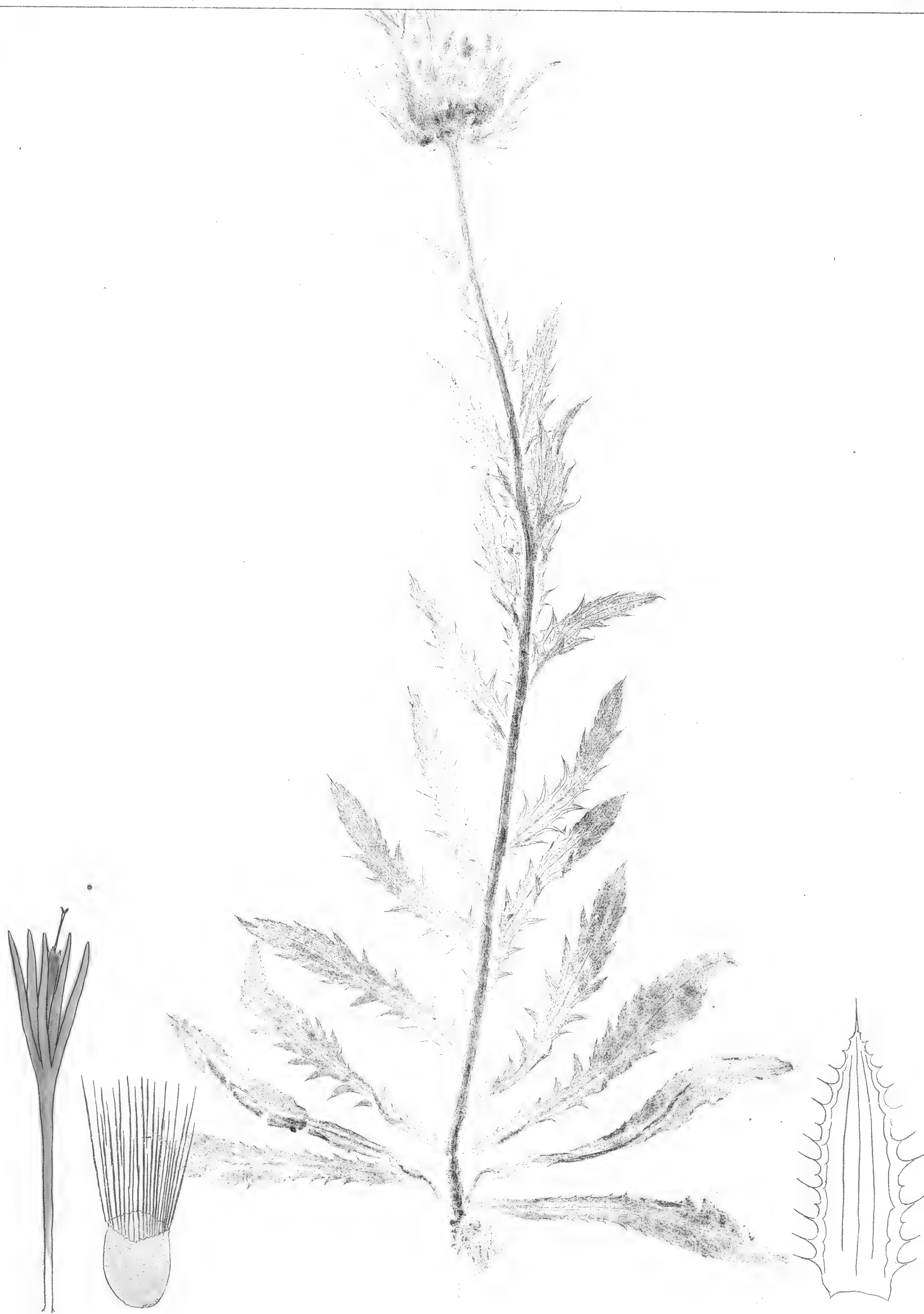




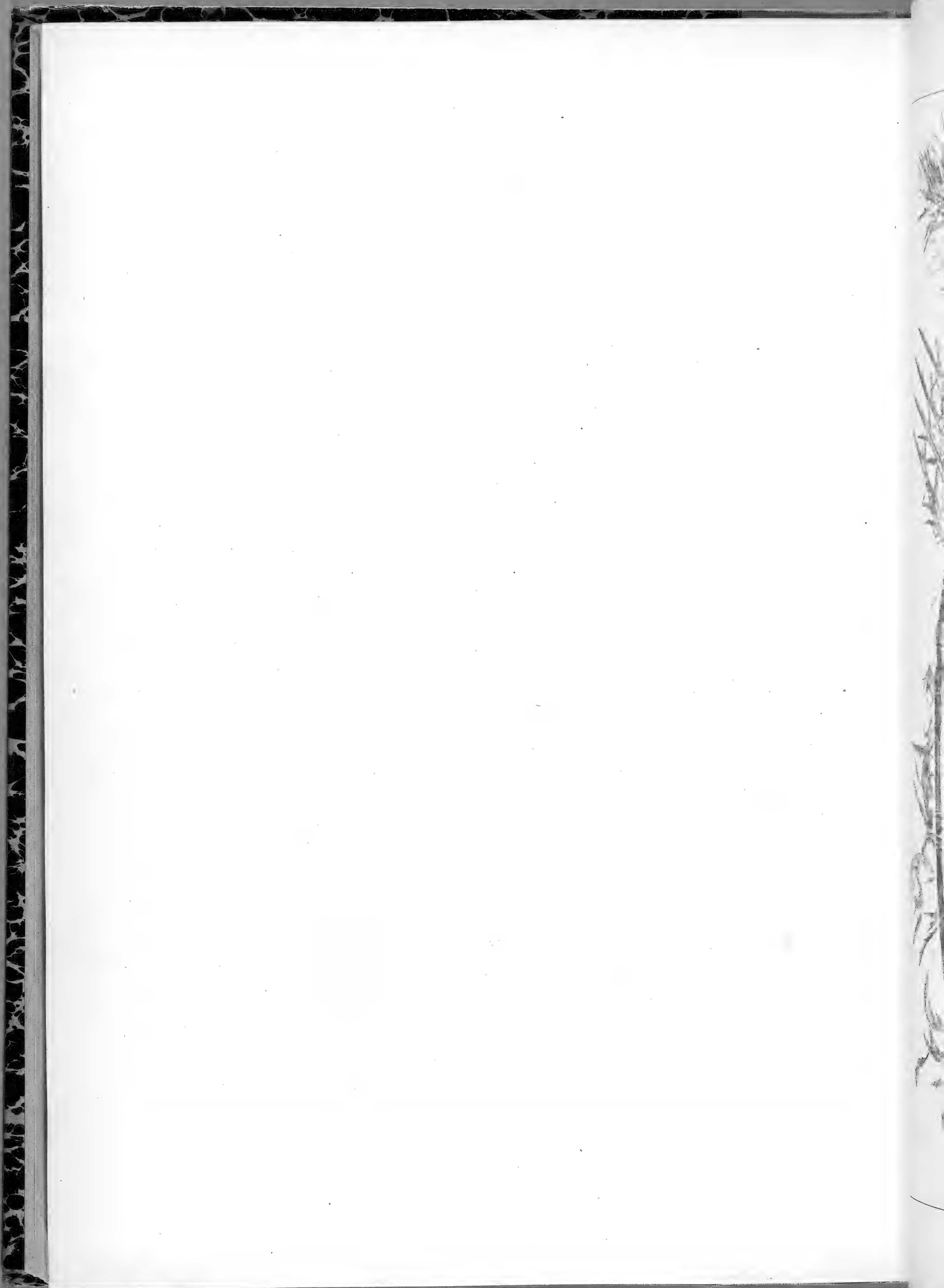




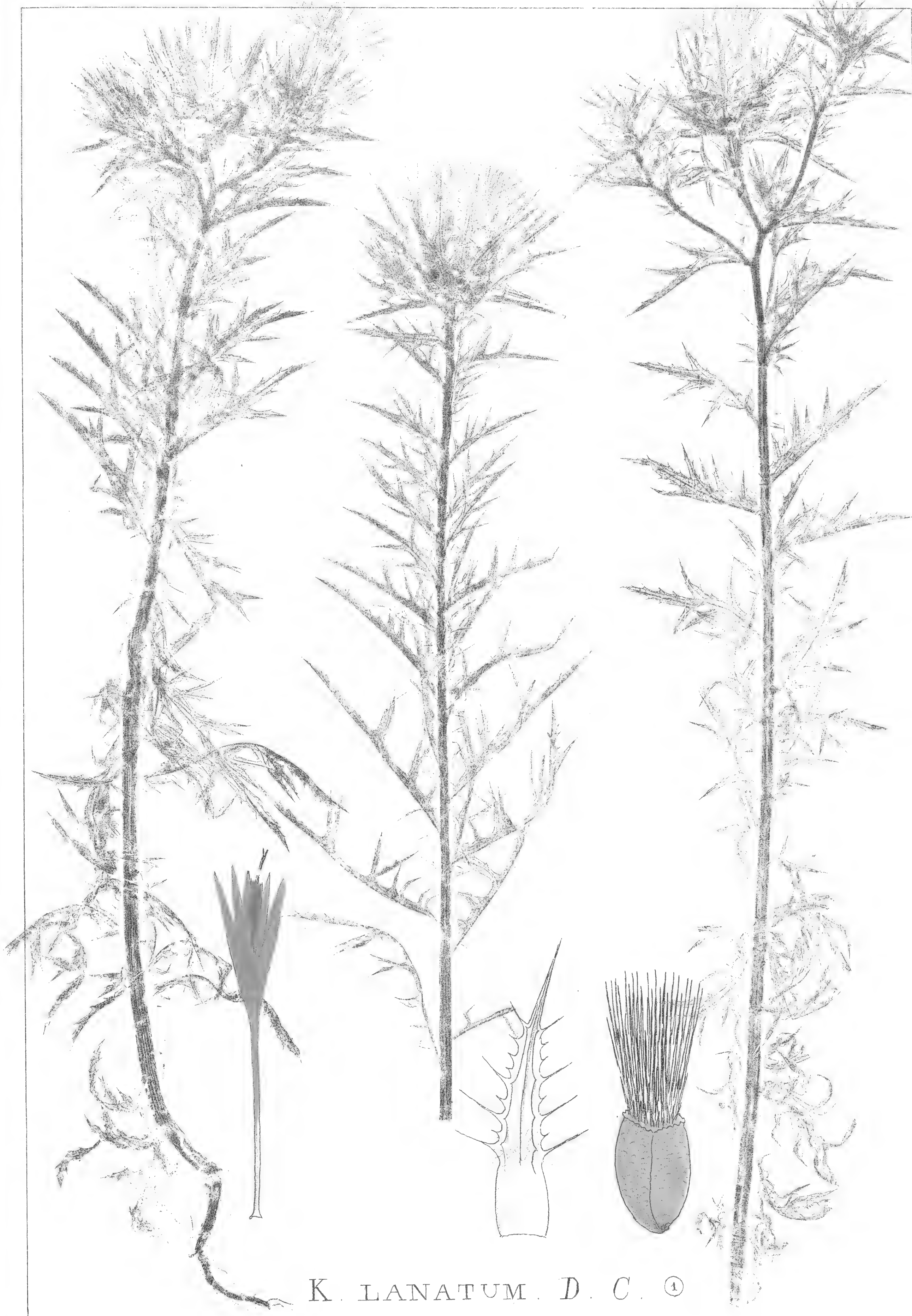




KENTROPHYLLUM · CÆRULEUM. G. G. 2







K. LANATUM. D. C. ①







CNICUS BENEDICTUS. L. ①









CRUPINA VULGARIS. CASS. ①







*C. BRACHYPAPPA. JORD. ①*







C . MORISII. BOR. ①







SERRATULA TINCTORIA L. 2







C. TINCTORIA. L. ♀ Var. alpina.





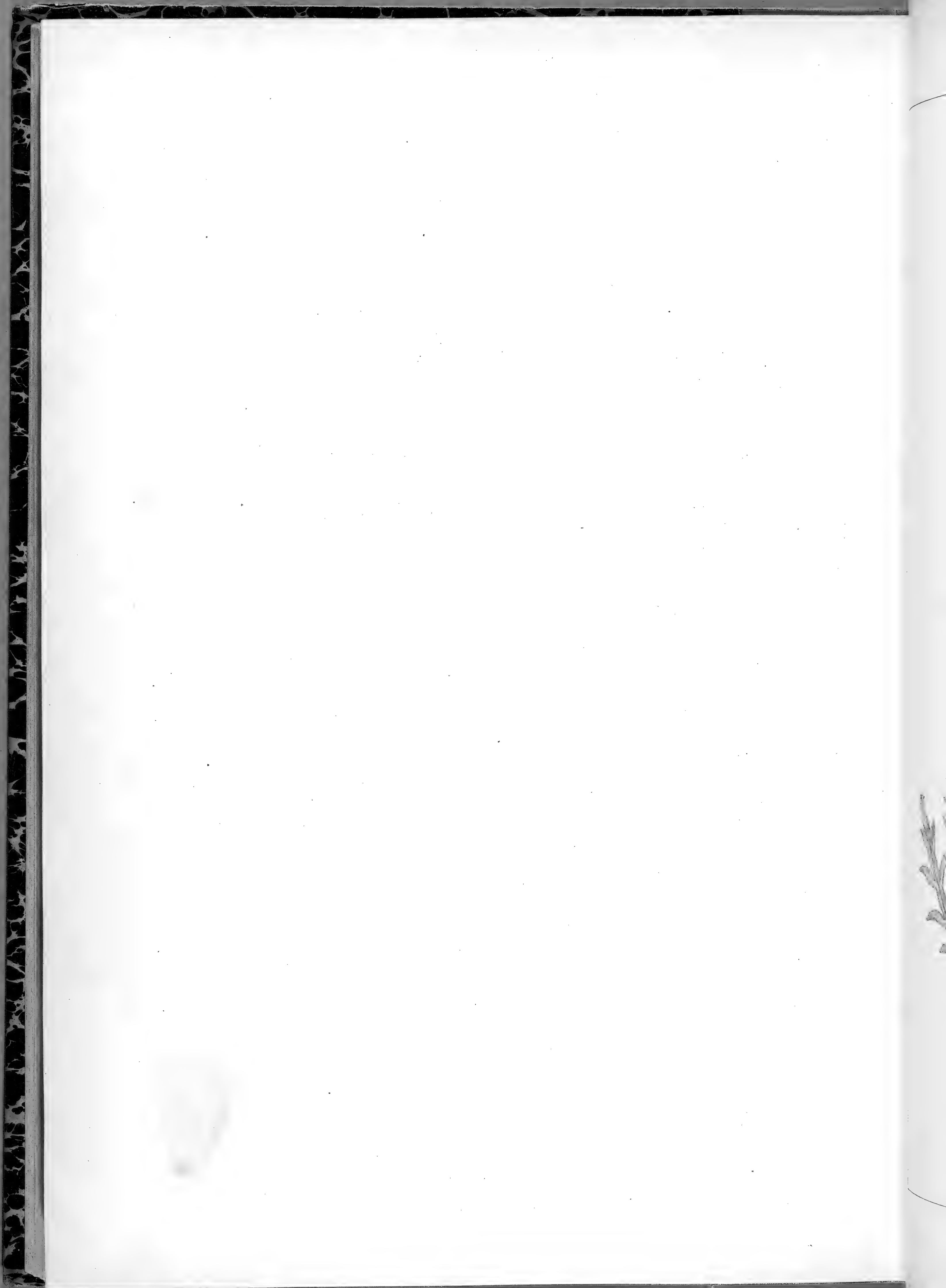


S. HETEROPHYLLA. DESF. 21



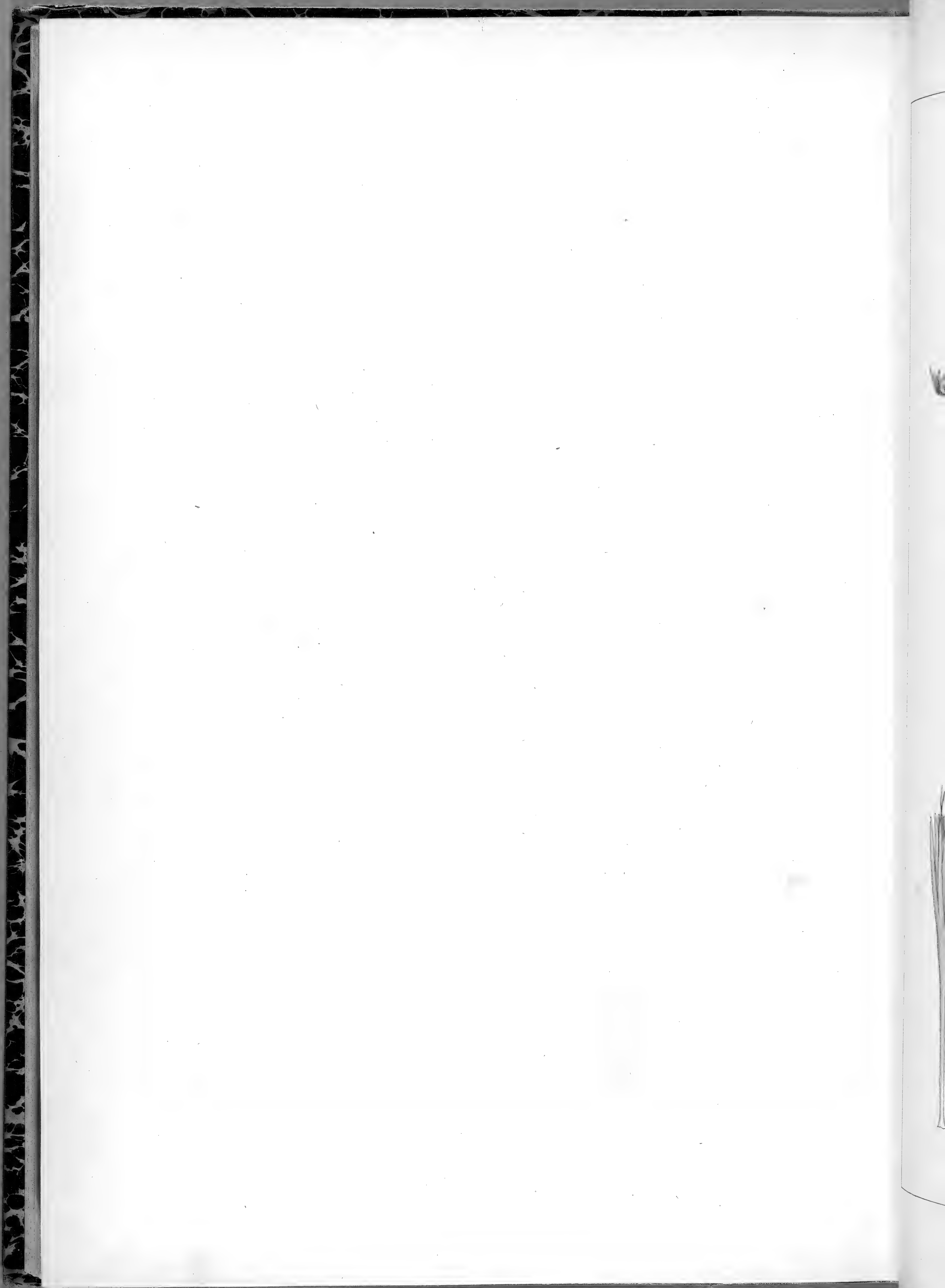








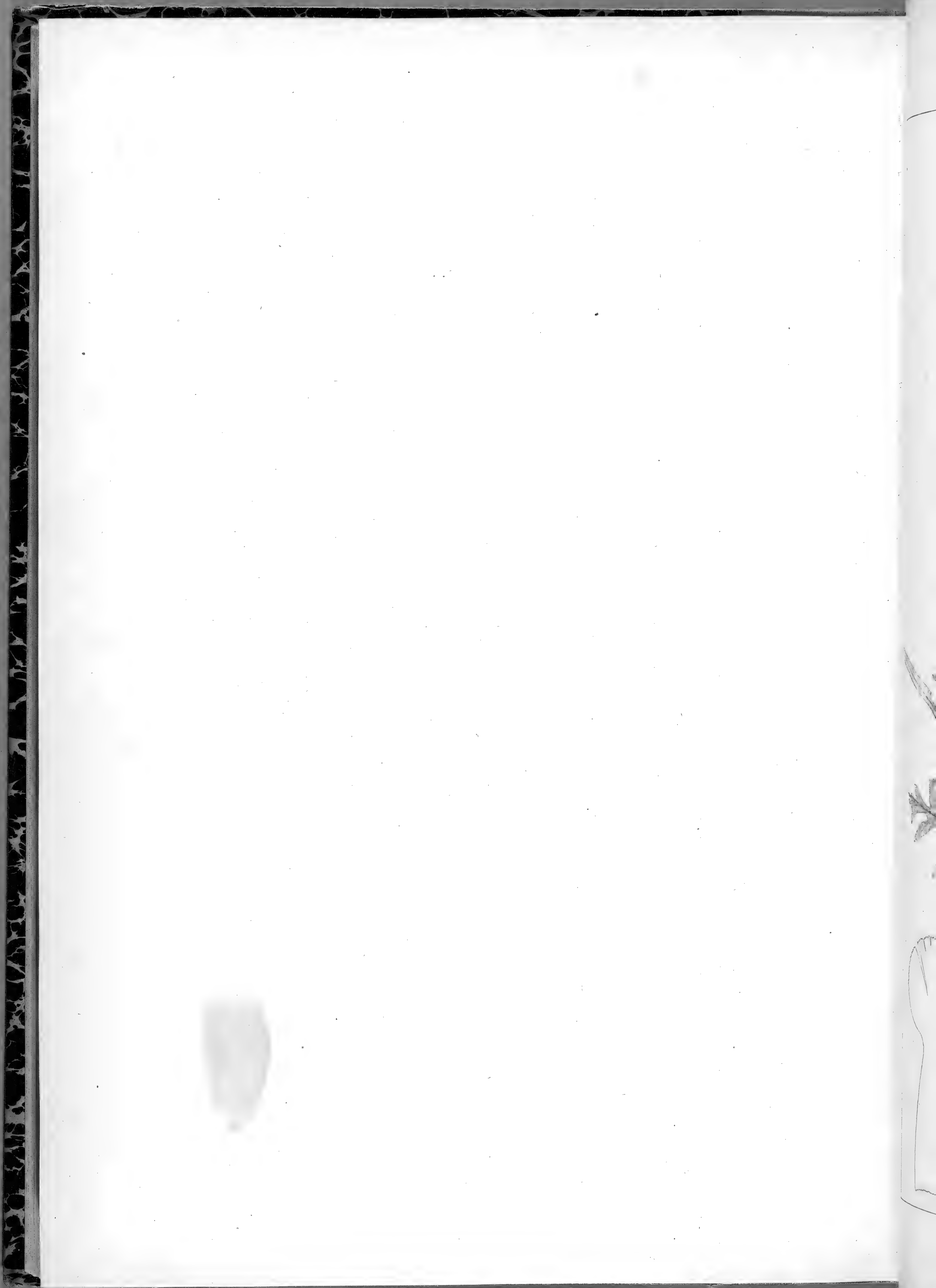








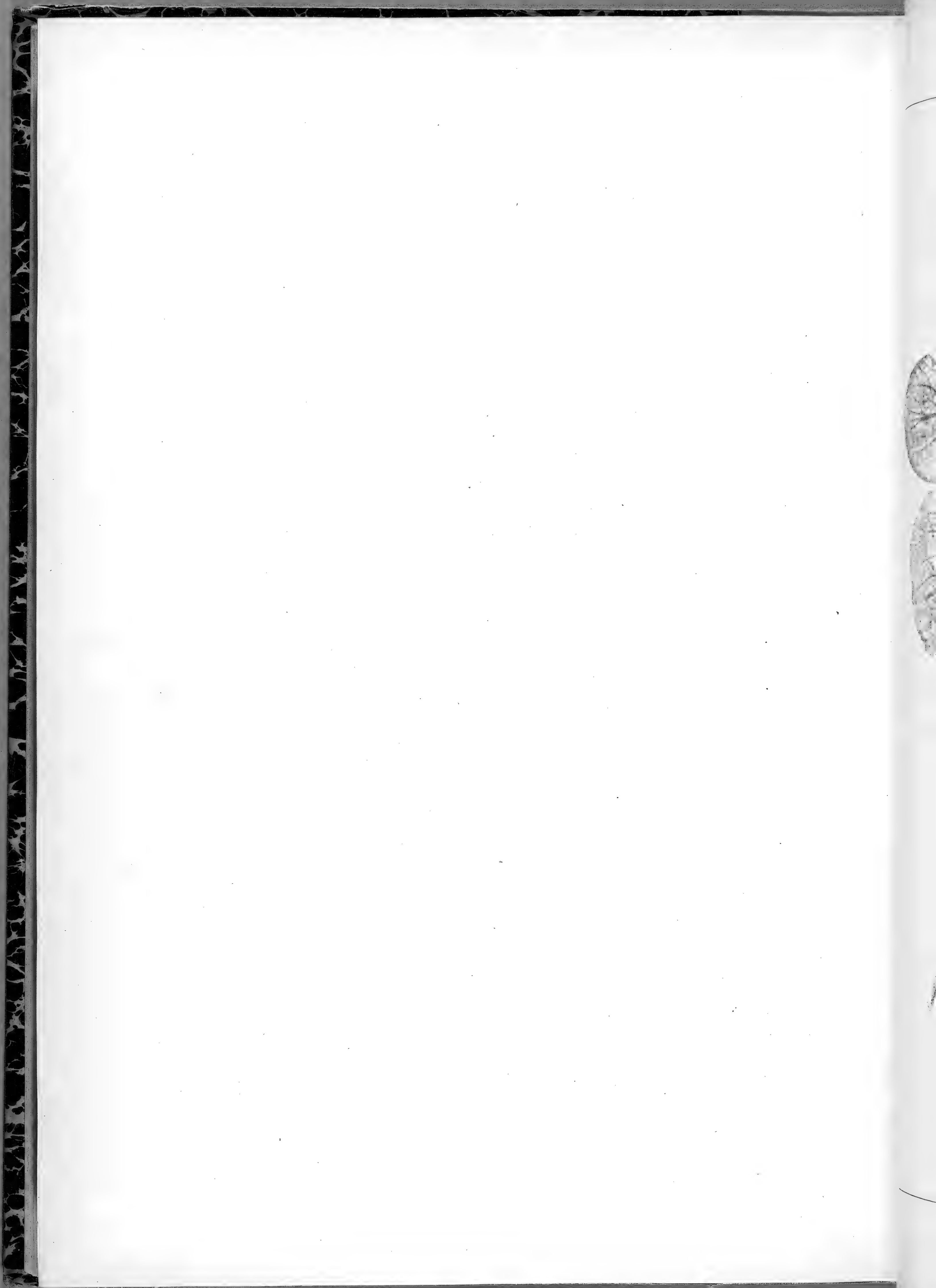
J. PYRENAICA. G. G. 2







LEUNEA CONIFERA. D. C. 24







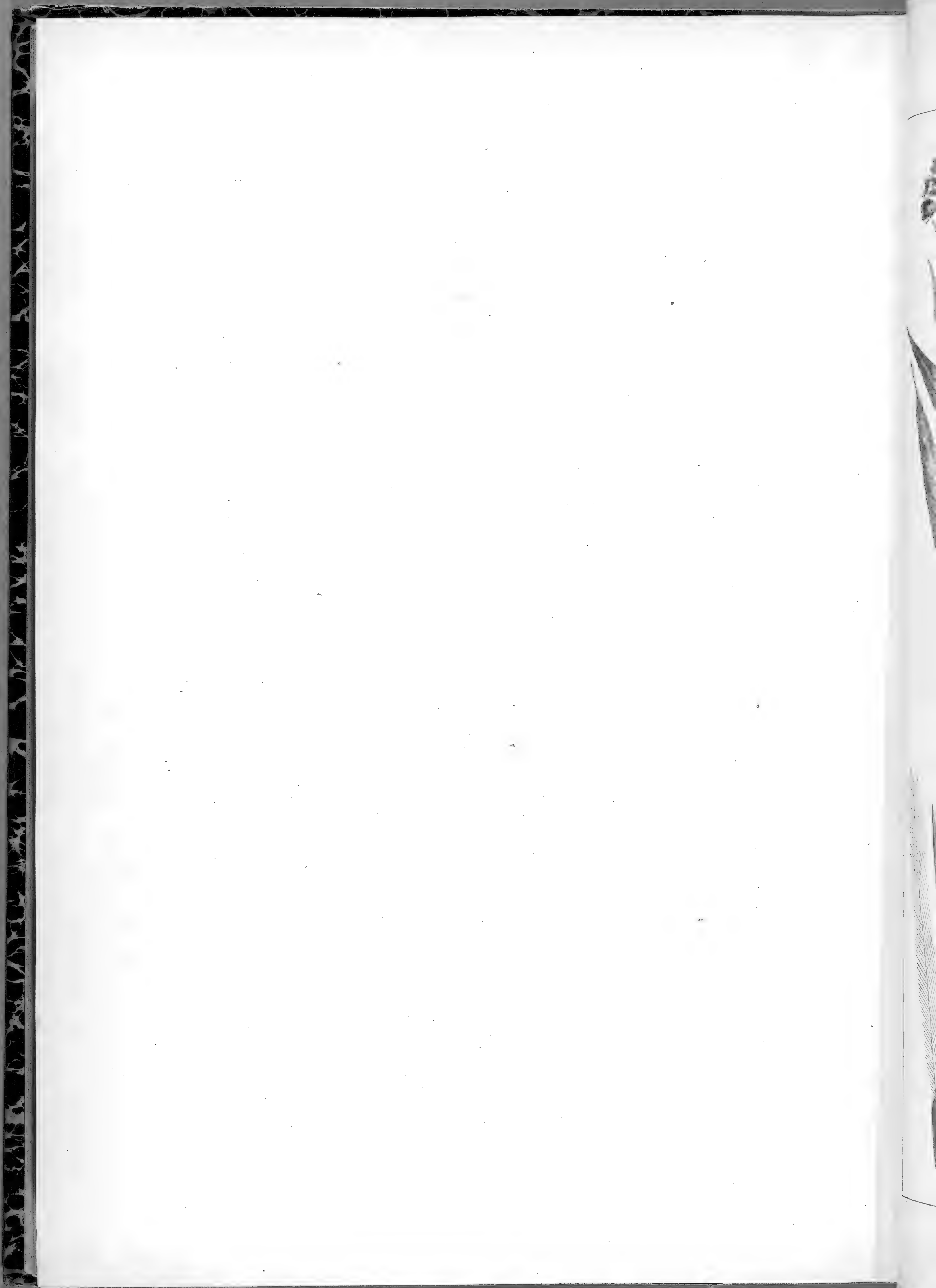
BERARDIA SUBACaulis. Vill. 7







SAUSSUREA DEPRESSA. GR.  $\gamma$







*S. ALPINA* D. C.  $\gamma$







S. DISCOLOR. D. C. 7







STÆHELINA DUBIA. L. ♂







CHAMÆPEUCE CASABONÆ D. C. ②

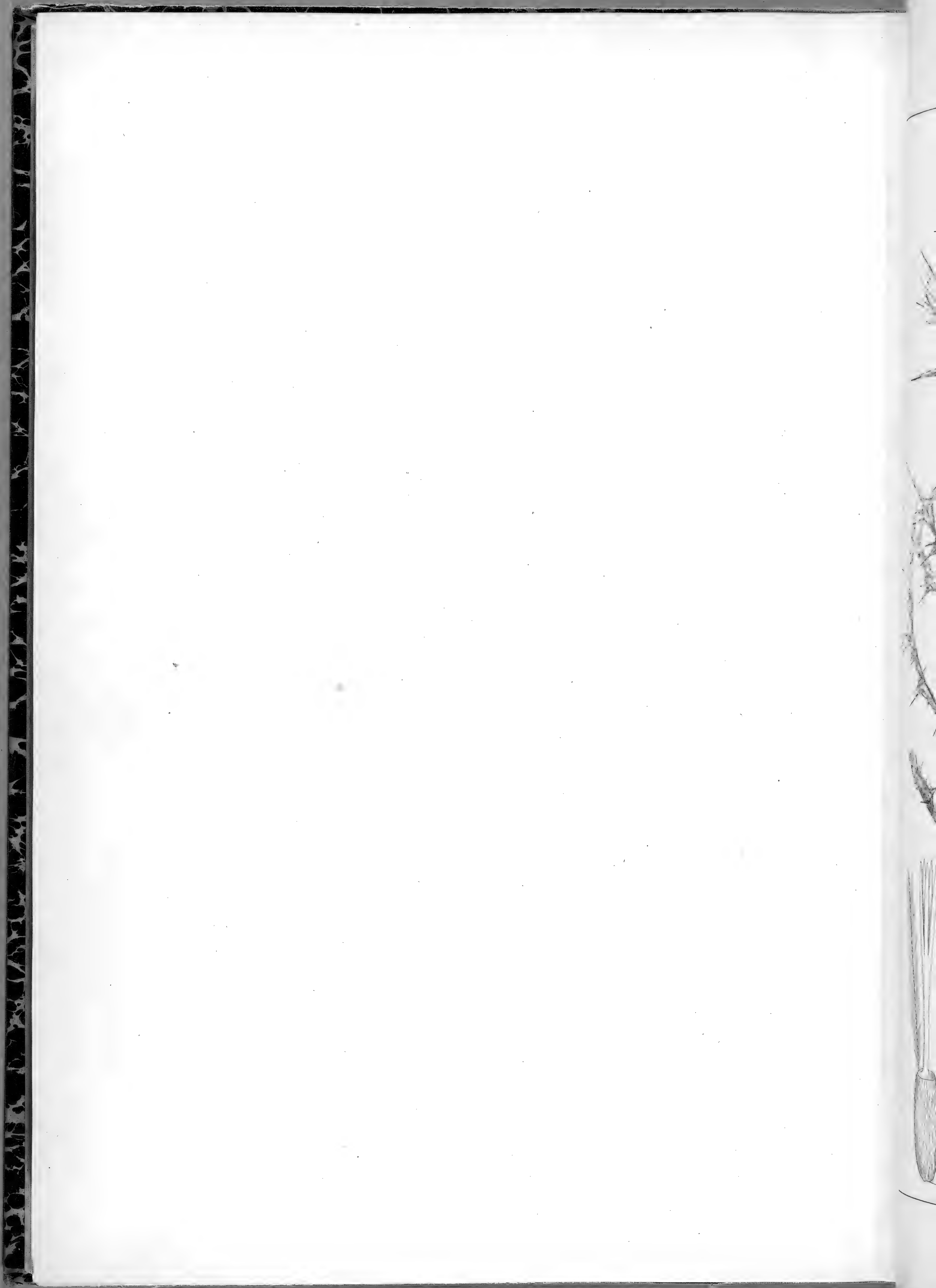




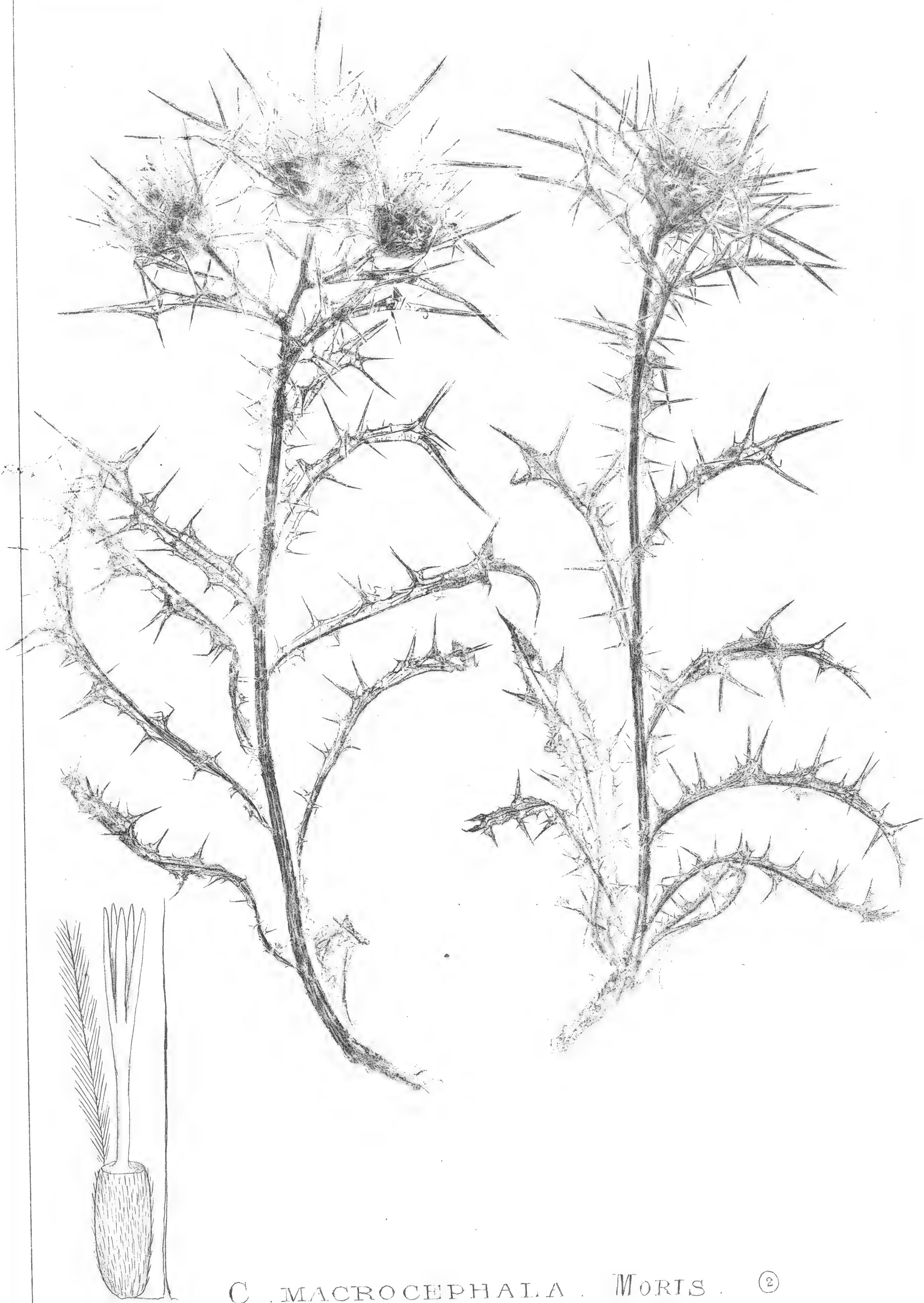




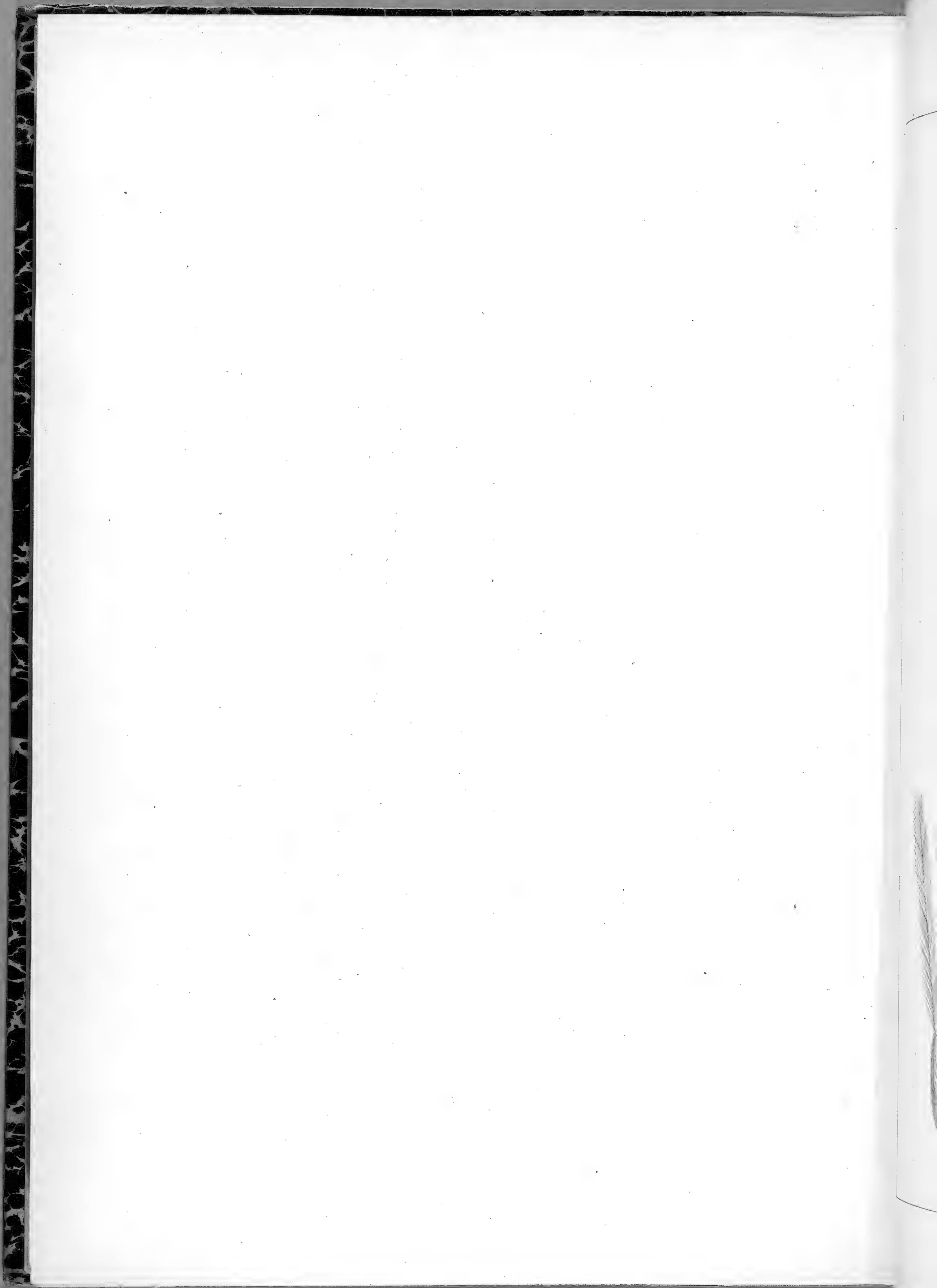
CARLINA VULGARIS L. ②



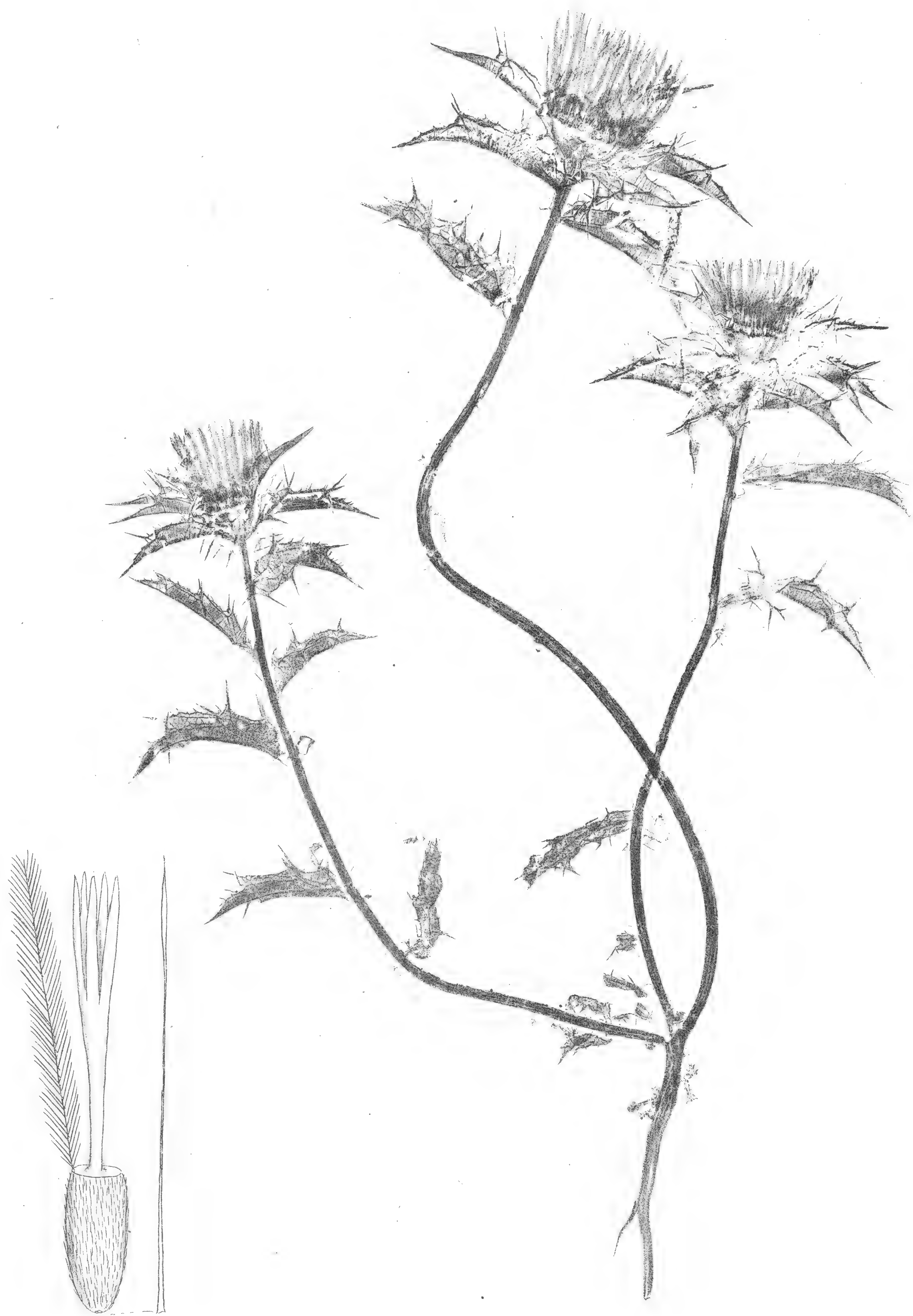




C. MACROCEPHALA . MORIS . (2)



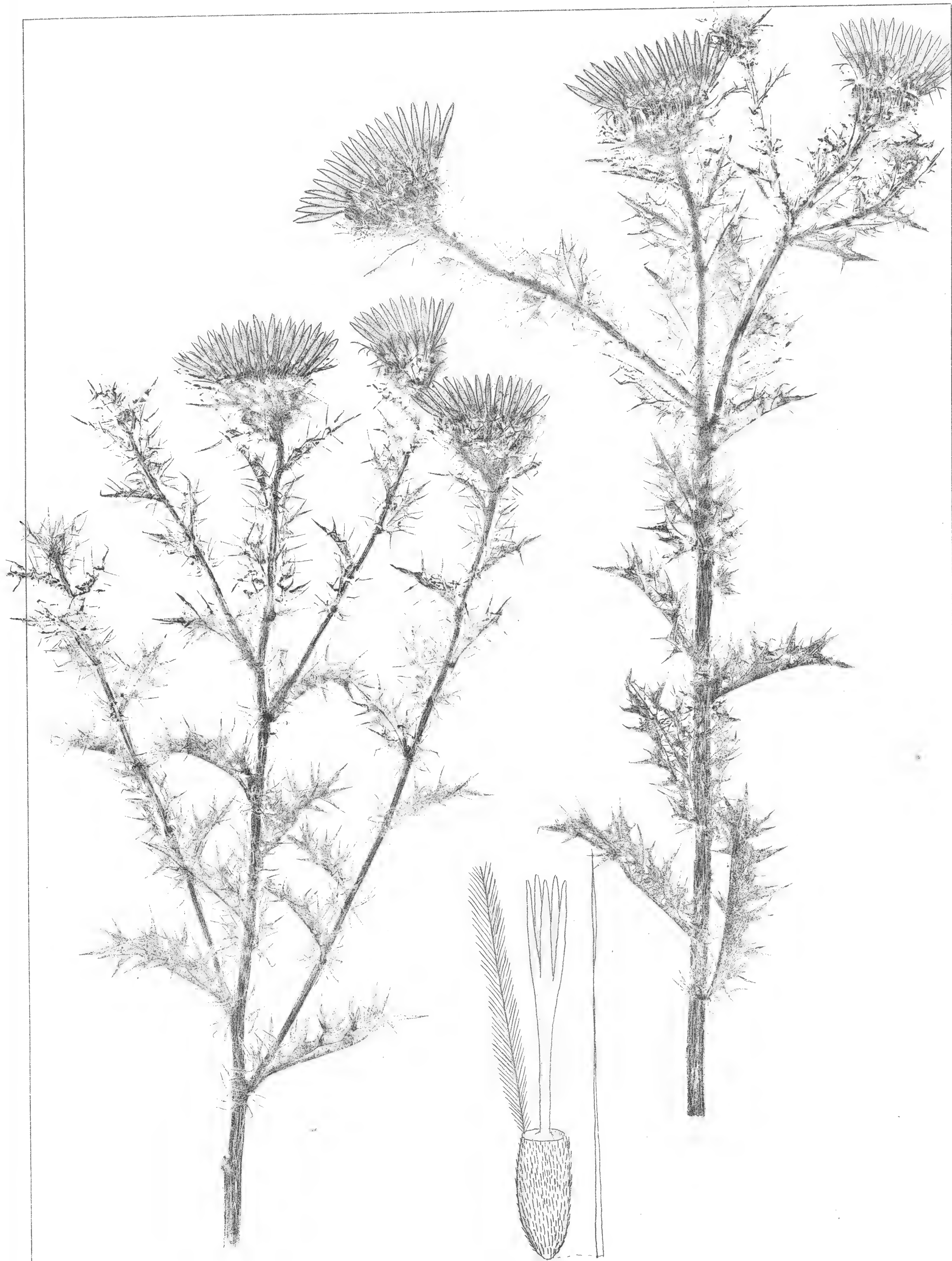




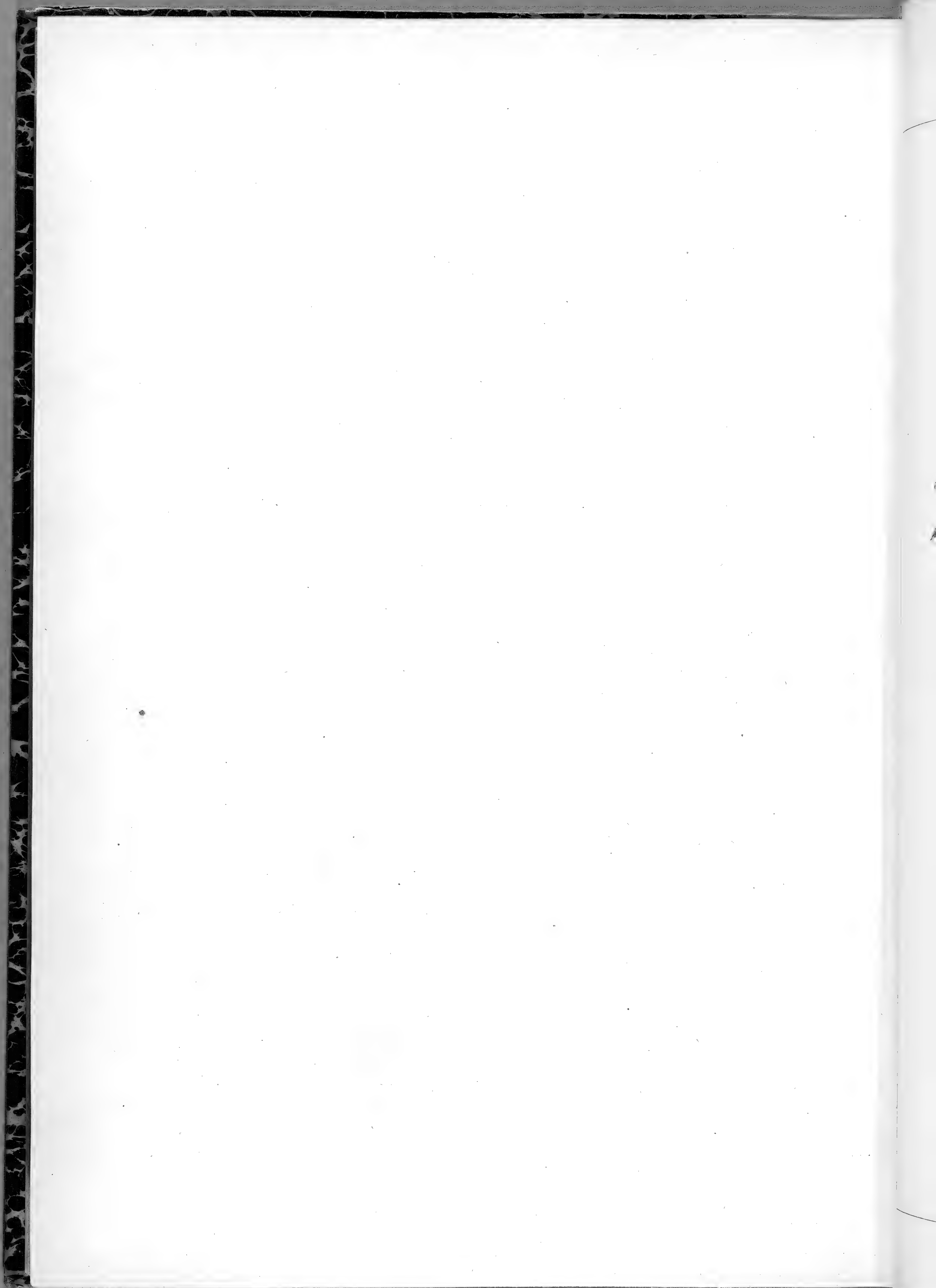
*C. LANATA* L. ①







C . CORYMBOSA . L . ②







C. ACAULIS L. ②







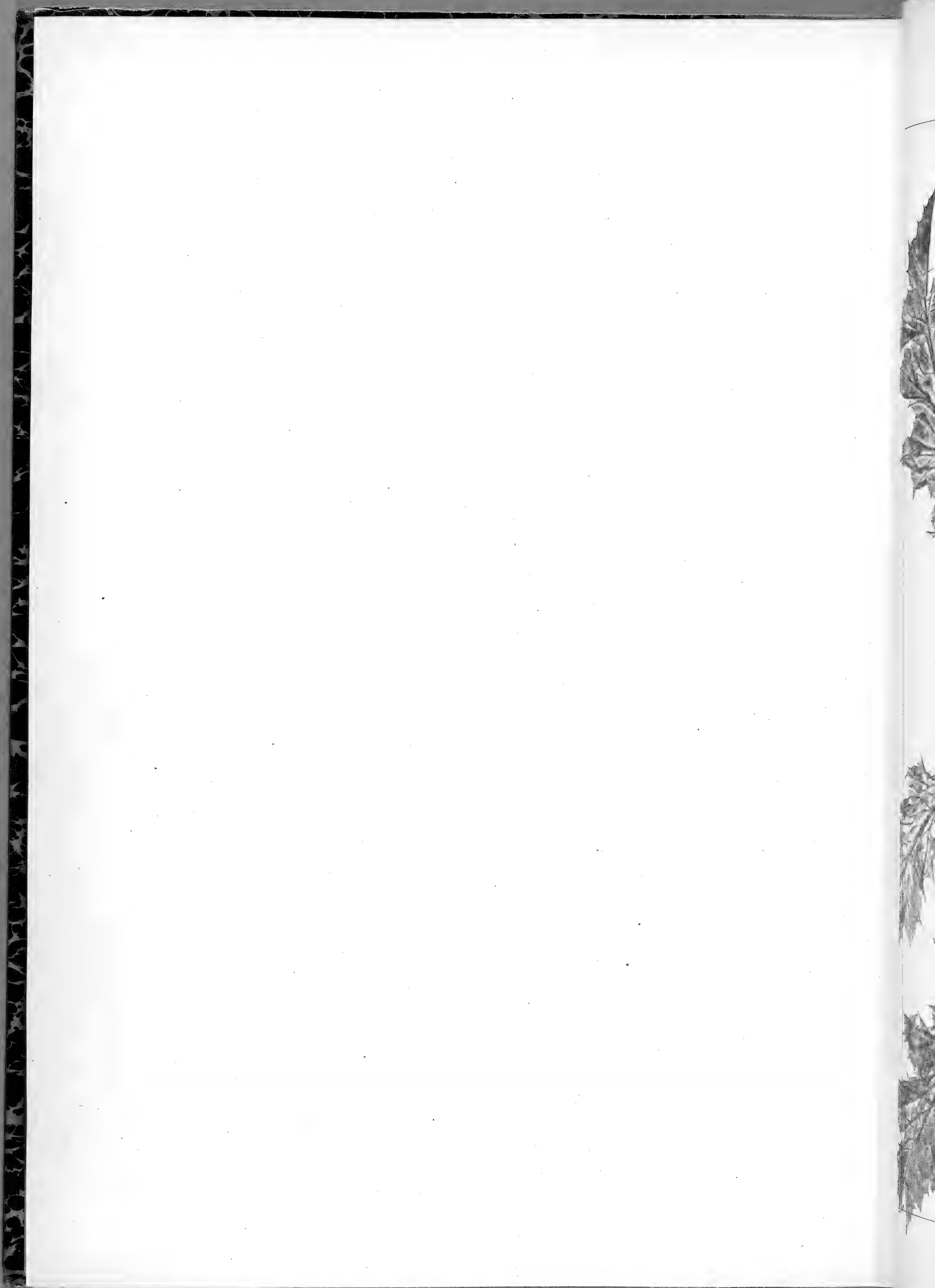
C . ACAULIS . L . Var . caulescens



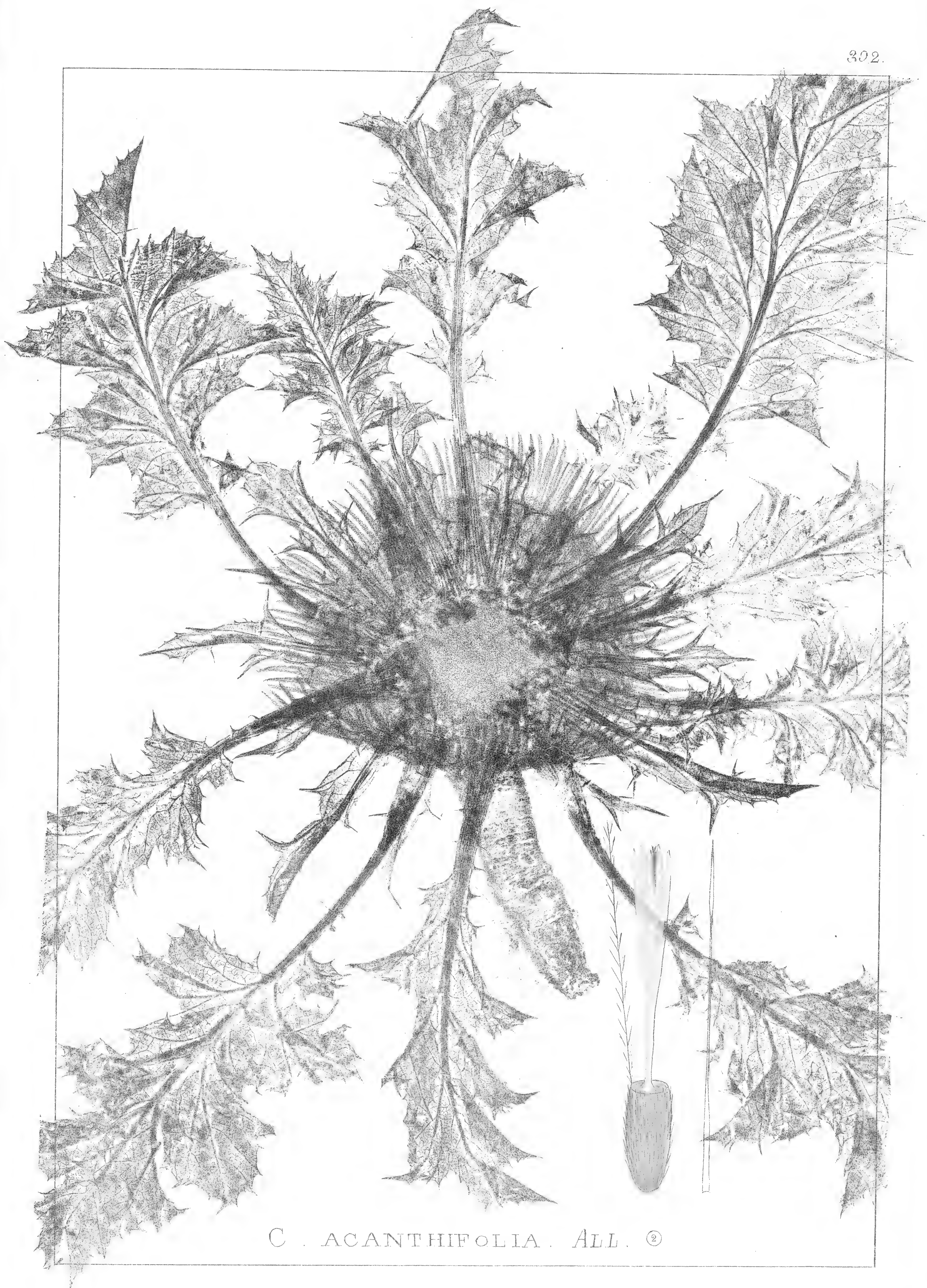




C. ACAULIS. L. Var. caulescens.







C. ACANTHIFOLIA. ALL. ②

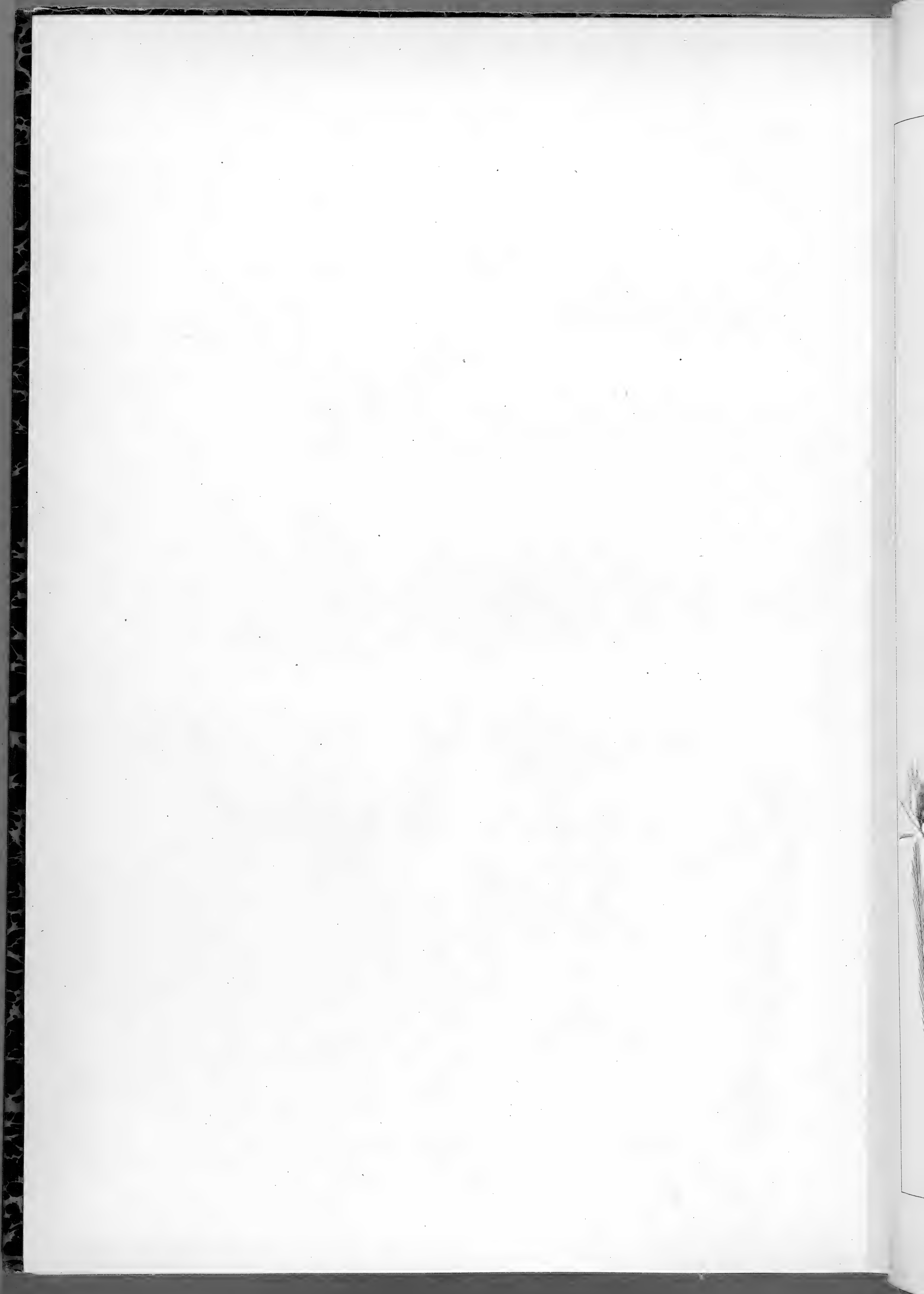








C. GUMMIFERA. LESS. ♀



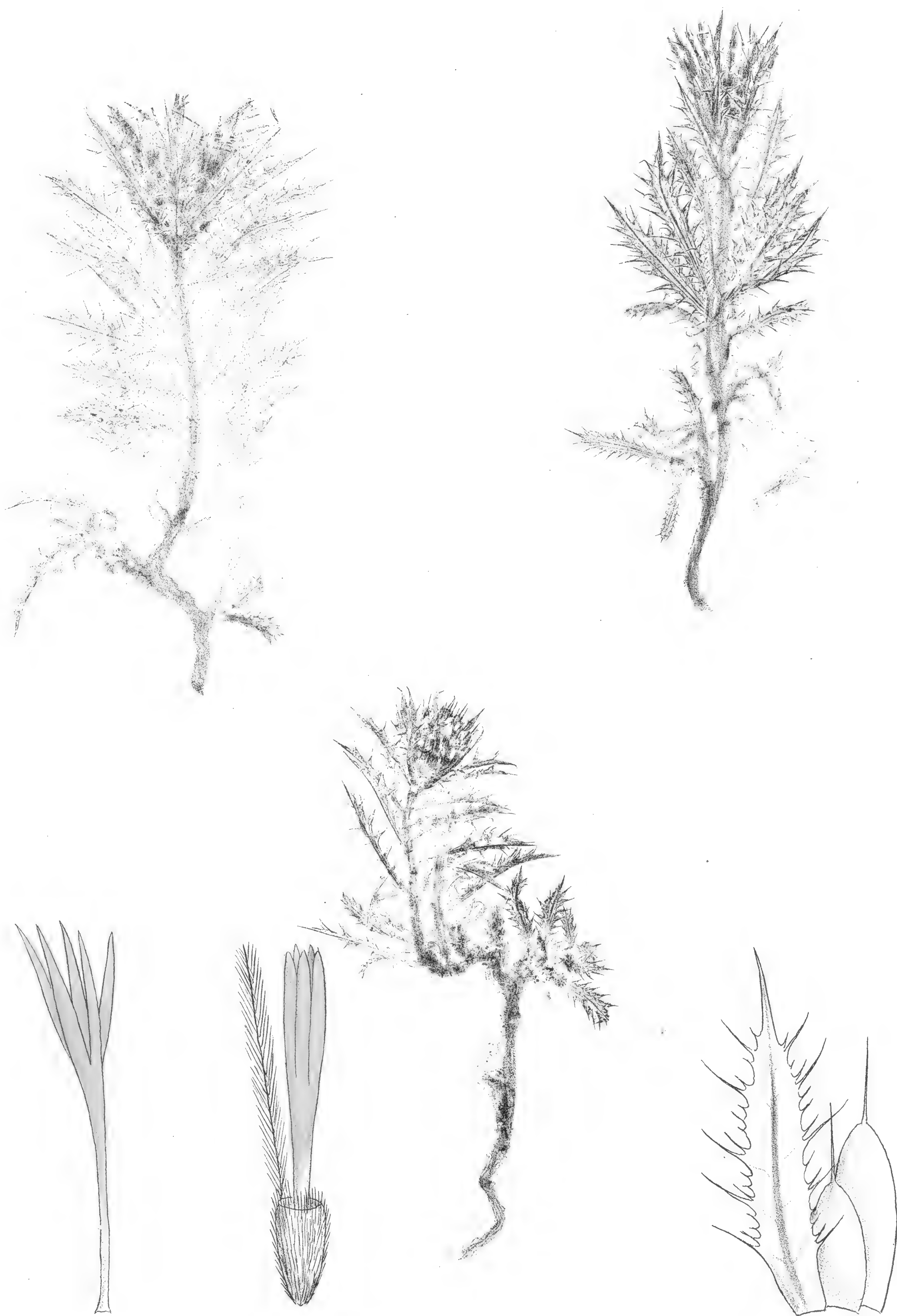




ATRACTYLIS CANCELLATA. L. ①







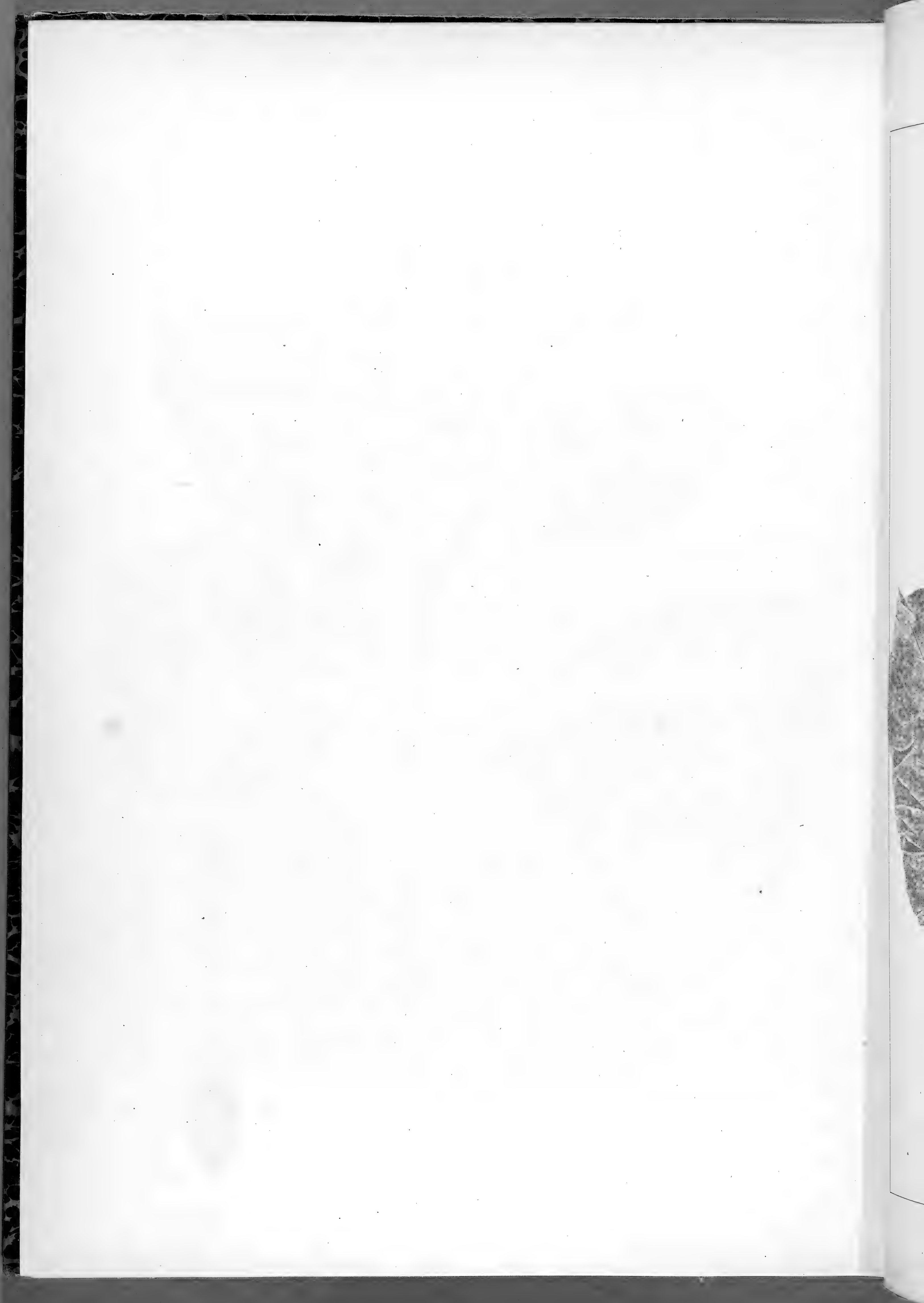
A. HUMILIS . L. ♀







LAPPA MINOR. D. C. ②



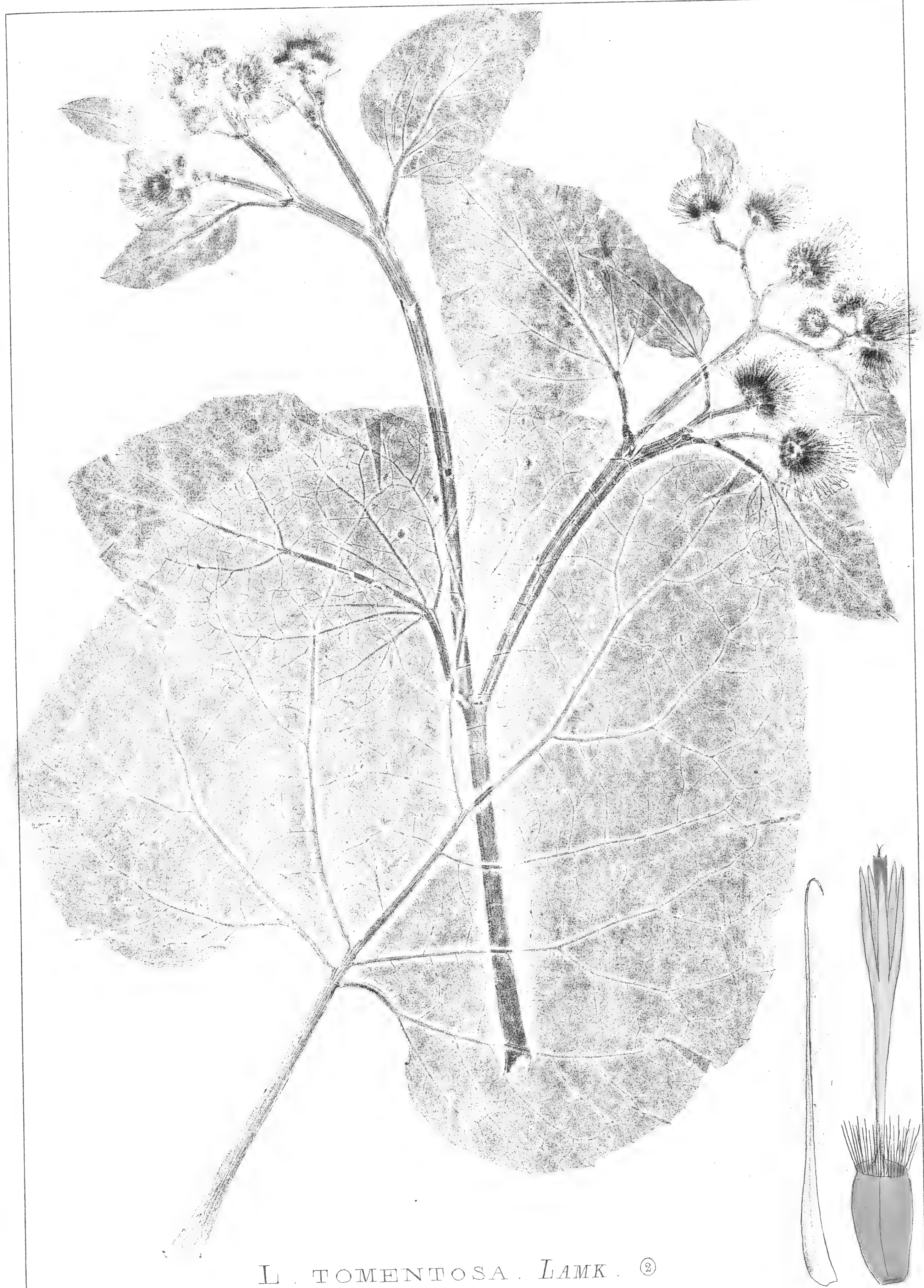




L MAJOR . GERTN. ②







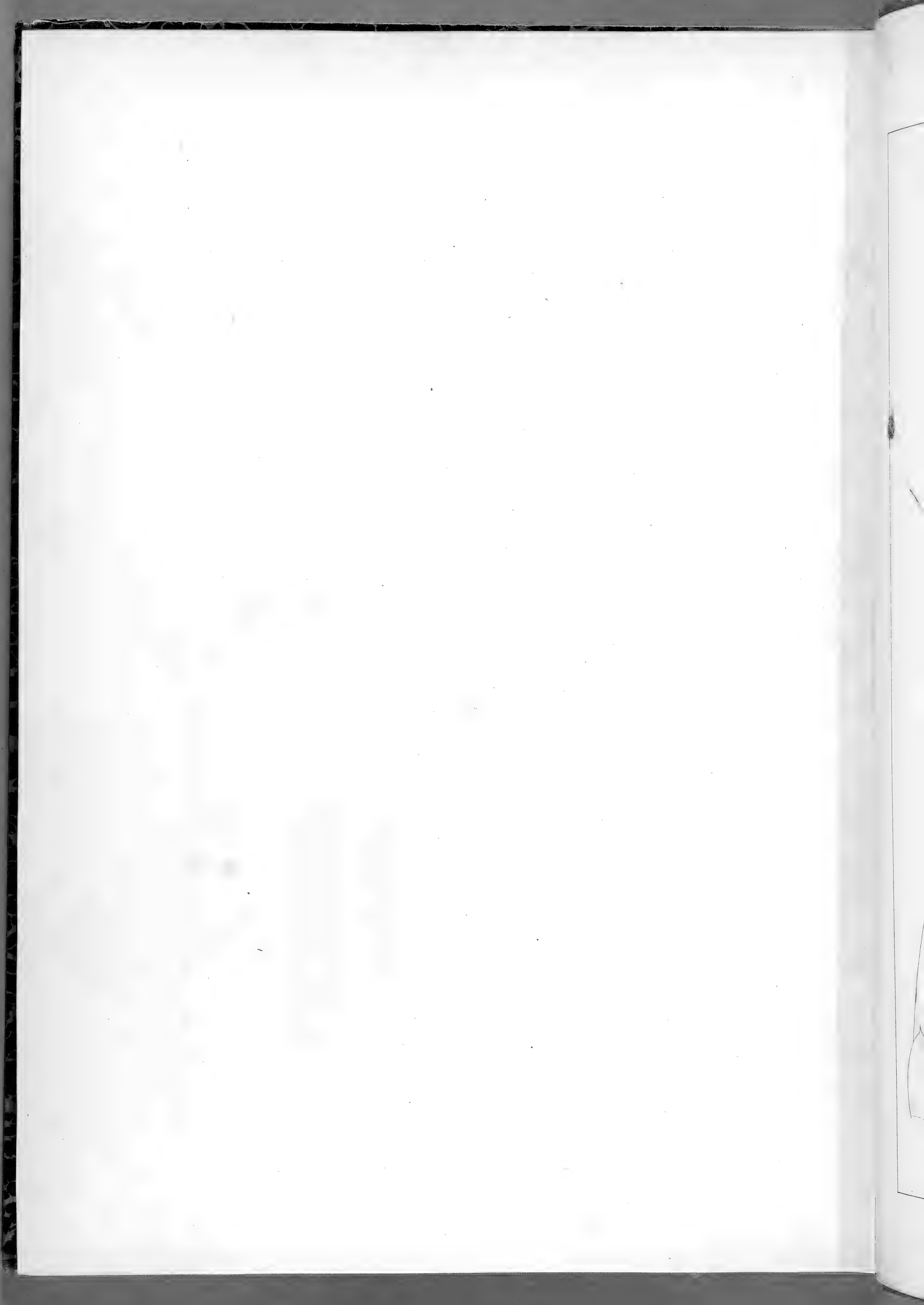
L. TOMENTOSA. LAMK. (2)



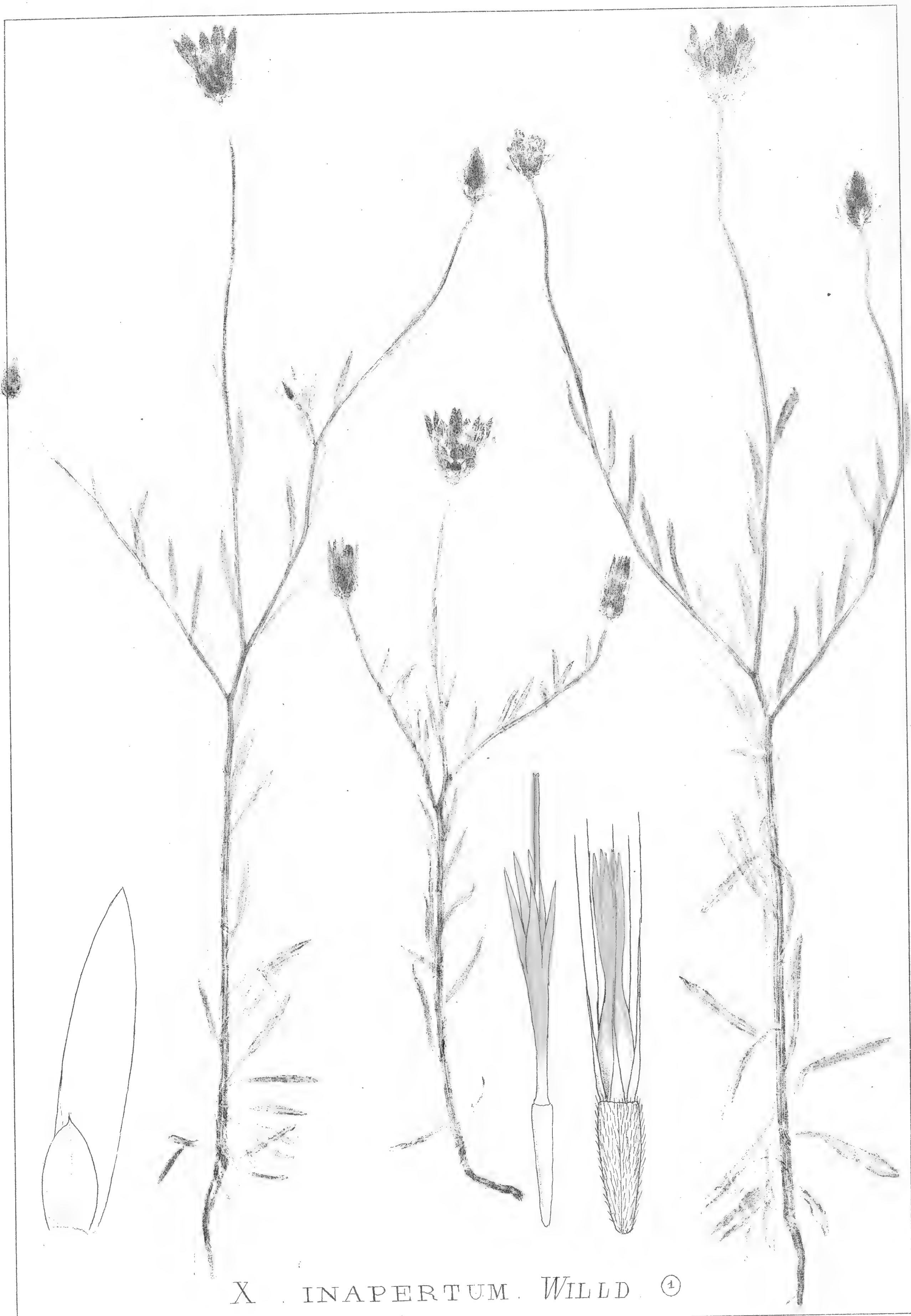




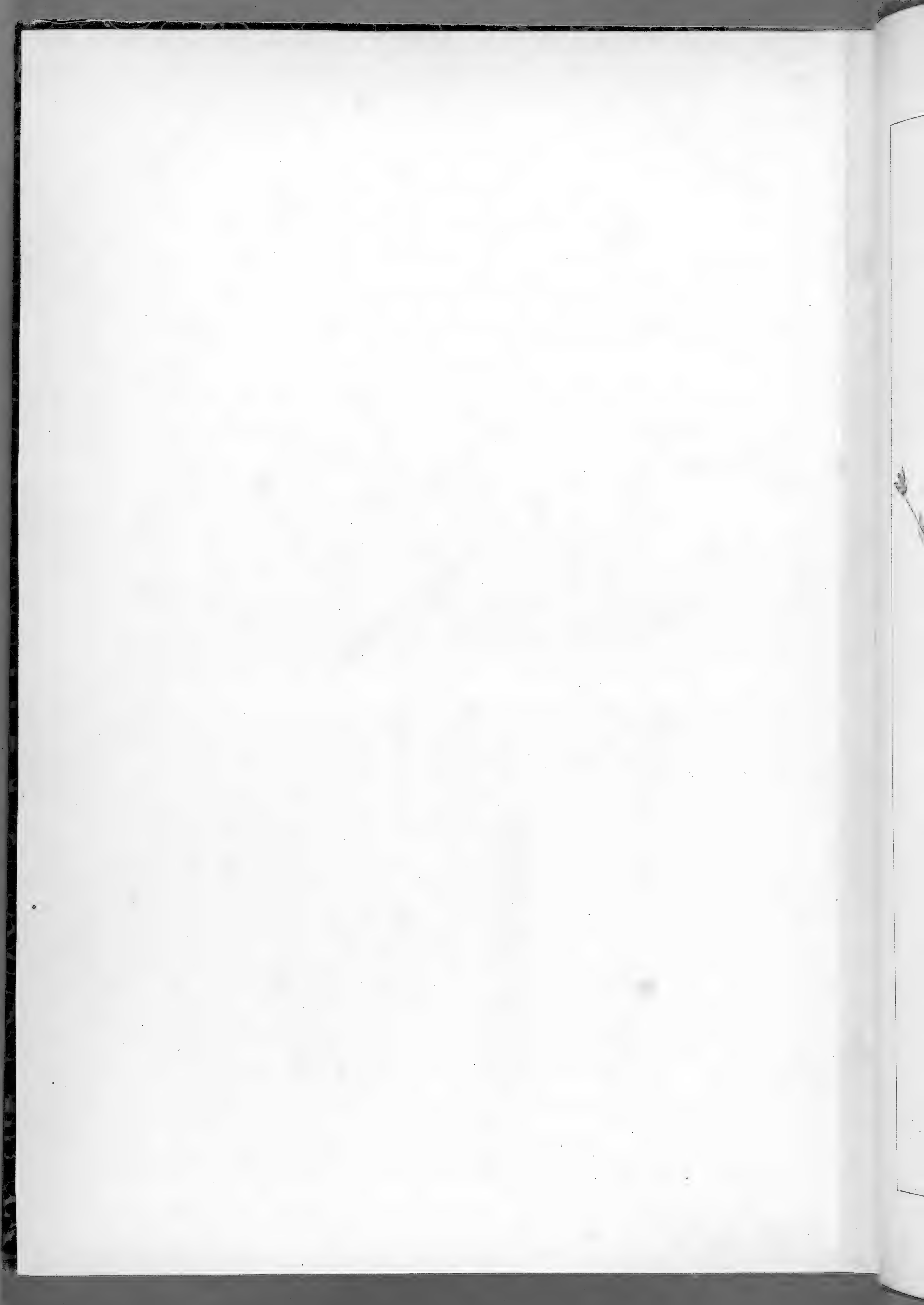
XERANTHEMUM ANNUUM. L. ④







X. INAPERTUM. WILLD. ①







X . CYLINDRACEUM . SIBTH . ④

